



# Human HUWE1 blocking peptide (CDBP1528)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Product Overview</b>    | Blocking/Immunizing peptide for anti-HUWE1/LASU1 antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Antigen Description</b> | This gene encodes a protein containing a C-terminal HECT (E6AP type E3 ubiquitin protein ligase) domain that functions as an E3 ubiquitin ligase. The encoded protein is required for the ubiquitination and subsequent degradation of the anti-apoptotic protein Mcl1 (myeloid cell leukemia sequence 1 (BCL2-related)). This protein also ubiquitinates the p53 tumor suppressor, core histones, and DNA polymerase beta. Mutations in this gene are associated with Turner type X-linked syndromic mental retardation. [provided by RefSeq, Aug 2013] |
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Conjugate</b>           | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Applications</b>        | Apuri, BL, ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Format</b>              | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Size</b>                | 100 µg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Preservative</b>        | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>             | Shipped at ambient temperature, store at -20°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## GENE INFORMATION

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|------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">HUWE1 HECT, UBA and WWE domain containing 1, E3 ubiquitin protein ligase [Homo sapiens]</a> |
| <b>Official Symbol</b> | HUWE1                                                                                                   |
| <b>Synonyms</b>        | HUWE1; HECT, UBA and WWE domain containing 1, E3 ubiquitin protein ligase; HECT, UBA                    |

and WWE domain containing 1; E3 ubiquitin-protein ligase HUWE1; Ib772; KIAA0312; UREB1; ARF-binding protein 1; URE-binding protein 1; BJ-HCC-24 tumor antigen; large structure of UREB1; HECT domain protein LASU1; Mcl-1 ubiquitin ligase E3; upstream regulatory element-binding protein 1; homologous to E6AP carboxyl terminus homologous protein 9; MULE; LASU1; HECTH9; URE-B1; ARF-BP1; HSPC272;

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| Entrez Gene ID      | <a href="#">10075</a>                                                                                                                                                                                                                                                                                                                        |
| mRNA Refseq         | <a href="#">NM_031407</a>                                                                                                                                                                                                                                                                                                                    |
| Protein Refseq      | <a href="#">NP_113584</a>                                                                                                                                                                                                                                                                                                                    |
| UniProt ID          | Q7Z6Z7                                                                                                                                                                                                                                                                                                                                       |
| Chromosome Location | Xp11.22                                                                                                                                                                                                                                                                                                                                      |
| Pathway             | Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination & Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Immune System, organism-specific biosystem; Ubiquitin mediated proteolysis, organism-specific biosystem; |
| Function            | DNA binding; acid-amino acid ligase activity; binding; ligase activity; protein binding; ubiquitin-protein ligase activity;                                                                                                                                                                                                                  |