



# Anti-CDH19 monoclonal antibody (DCABH-10962)

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

## PRODUCT INFORMATION

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| <b>Antigen Description</b> | This gene is a type II classical cadherin from the cadherin superfamily and one of three cadherin 7-like genes located in a cluster on chromosome 18. The encoded membrane protein is a calcium dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Type II (atypical) cadherins are defined based on their lack of a HAV cell adhesion recognition sequence specific to type I cadherins. Since disturbance of intracellular adhesion is a prerequisite for invasion and metastasis of tumor cells, cadherins are considered prime candidates for tumor suppressor genes. |
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| <b>Immunogen</b>          | A synthetic peptide of human CDH19 is used for rabbit immunization.      |
| <b>Isotype</b>            | IgG  |
| <b>Source/Host</b>        | Rabbit   |
| <b>Species Reactivity</b> | Human  |
| <b>Purification</b>       | Protein A  |
| <b>Conjugate</b>          | Unconjugated   |
| <b>Applications</b>       | Western Blot (Transfected lysate); ELISA                                 |
| <b>Buffer</b>             | In 1x PBS, pH 7.4  |
| <b>Preservative</b>       | None   |
| <b>Storage</b>            | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

## GENE INFORMATION

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| <b>Gene Name</b>           | <a href="#">CDH19 cadherin 19, type 2 [ Homo sapiens ]</a> |
| <b>Official Symbol</b>     | CDH19  |
| <b>Synonyms</b>            | CDH19; cadherin 19, type 2; cadherin-19; CDH7; CDH7L2;     |
| <b>Entrez Gene ID</b>      | <a href="#">28513</a>                                      |
| <b>Protein Refseq</b>      | <a href="#">NP_066976</a>                                  |
| <b>UniProt ID</b>          | <a href="#">Q9H159</a>                                     |
| <b>Chromosome Location</b> | 18q22.1  |
| <b>Function</b>            | calcium ion binding;                                       |