



Anti-CAPN7 polyclonal antibody (CABT-BL842)

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

PRODUCT INFORMATION

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| Immunogen | Synthetic peptide based on Domain I of the large subunit, using the human Calpain 7 sequence. |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Mouse, Rat, Human |
| Purification | Immunogen affinity purified |
| Conjugate | Unconjugated |
| Applications | WB |
| Cellular Localization | Nuclear |
| Format | Liquid |
| Buffer | 50% Glycerol |
| Preservative | 0.05% Sodium Azide |
| Storage | Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |

BACKGROUND

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| Introduction | Calpains are ubiquitous, well-conserved family of calcium-dependent, cysteine proteases. The calpain proteins are heterodimers consisting of an invariant small subunit and variable large subunits. The large subunit possesses a cysteine protease domain, and both subunits possess calcium-binding domains. Calpains have been implicated in neurodegenerative processes, as |
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their activation can be triggered by calcium influx and oxidative stress. The function of the protein encoded by this gene is not known. An orthologue has been found in mouse but it seems to diverge from other family members. The mouse orthologue is thought to be calcium independent with protease activity. [provided by RefSeq, Jul 2008]

GENE INFORMATION

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| Entrez Gene ID | 23473 |
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| Protein Refseq | NP_055111 |
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| UniProt ID | Q7Z479 |
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