



# Anti-CAPN1 polyclonal antibody (DPAB-DC1473)

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

## PRODUCT INFORMATION

|                            |   |
|----------------------------|---|
| <b>Antigen Description</b> | calcium-dependent protease that may be involved in experimental allergic encephalomyelitis (EAE) [RGD, Feb 2006]                                    |
| <b>Specificity</b>         | The anti-calpain I antibody recognizes the large subunit (80 KDa) of human Calpain I. It does not recognize the smaller subunit of human Calpain I. |
| <b>Immunogen</b>           | A synthetic peptide corresponding to residues surrounding amino acids 700 of rat Capn1.   |
| <b>Isotype</b>             | IgG   |
| <b>Source/Host</b>         | Rabbit  |
| <b>Species Reactivity</b>  | Bovine, Human, Mouse, Pig, Rabbit, Rat  |
| <b>Conjugate</b>           | Unconjugated  |
| <b>Applications</b>        | WB (Cell lysate),   |
| <b>Format</b>              | Liquid  |
| <b>Size</b>                | 100 µg  |
| <b>Buffer</b>              | In PBS (30% glycerol, 0.5% BSA, 0.01% thimerosal)   |
| <b>Preservative</b>        | None  |
| <b>Storage</b>             | Store at -20°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.   |

## GENE INFORMATION

|                            |  |
|----------------------------|--|
| <b>Gene Name</b>           | <a href="#">Capn1 calpain 1, (mu/l) large subunit [ Rattus norvegicus (Norway rat) ]</a>   |
| <b>Official Symbol</b>     | CAPN1  |
| <b>Synonyms</b>            | CAPN1; calpain 1, (mu/l) large subunit; calpain-1 catalytic subunit; CANP 1; muCANP; calpain mu-type; micromolar-calpain; calpain-1 large subunit; calcium-activated neutral proteinase 1; |
| <b>Entrez Gene ID</b>      | <a href="#">29153</a>  |
| <b>Protein Refseq</b>      | <a href="#">NP_062025</a>  |
| <b>UniProt ID</b>          | <a href="#">P97571</a>   |
| <b>Chromosome Location</b> | 1q43   |
| <b>Pathway</b>             | Alzheimers disease; Integrin-mediated cell adhesion;   |
| <b>Function</b>            | calcium ion binding; calcium-dependent cysteine-type endopeptidase activity; cytoskeletal protein binding; protein binding   |