

Name: Rabbit Polyclonal Anti-DUSP5 Antibody - middle region
Product Data Sheet - ANTIBODY

Catalog: TA344409

| | |
|---------------------------------|--|
| Components: | • Rabbit Polyclonal Anti-DUSP5 Antibody - middle region (TA344409) |
| Amount: | 50ug |
| Immunogen: | The immunogen for anti-DUSP5 antibody: synthetic peptide directed towards the middle region of human DUSP5. Synthetic peptide located within the following region: ANLHITALLNVSRRRTSEACATHLHYKWIPVEDSHTADISSHFQEAFIDFID |
| Host: | Rabbit |
| Isotype: | IgG |
| Species Reactivity: | Bovine, Dog, Horse, Human, Mouse, Pig, Rabbit, Rat, Zebrafish |
| Guaranteed Applications: | WB |
| Suggested Dilutions: | WB |
| Concentration: | Lot dependent; please refer to CoA along with shipment |
| Buffer: | Shipped as lyophilized powder. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. |
| Purification: | Affinity Purified |
| Storage Condition: | Shipped at -20C or with ice packs. Upon delivery store at -20C. Dilute in PBS (pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws. |

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.

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Target

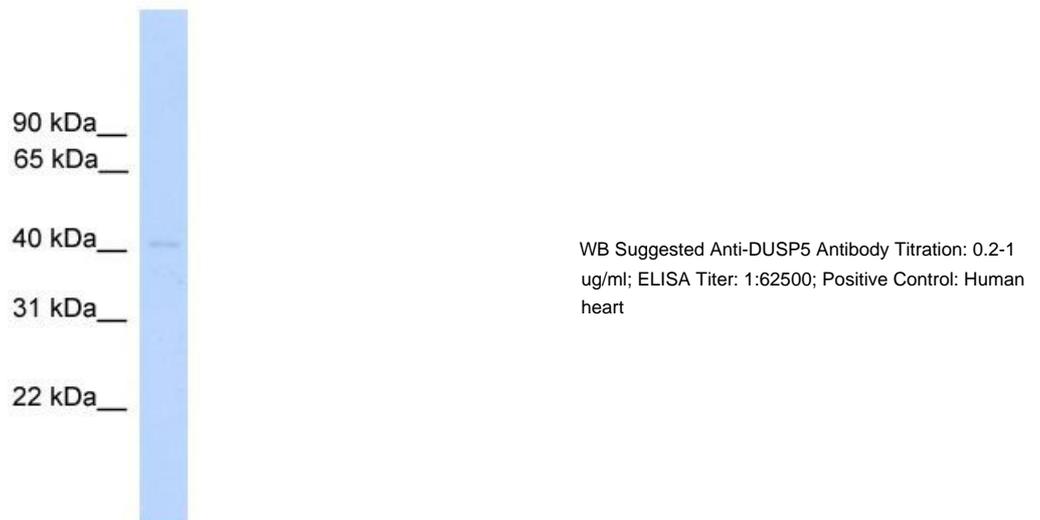
Target Name: dual specificity phosphatase 5

Alternative Name: DUSP|H3

Database Link: [NP_004410](#)
[Entrez Gene 1847 Human](#)
[Entrez Gene 240672 Mouse](#)
[Entrez Gene 171109 Rat](#)
[Entrez Gene 0 Monkey](#)
[Entrez Gene 486884 Dog](#)

Function: The protein encoded by this gene is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which are associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene product inactivates ERK1, is expressed in a variety of tissues with the highest levels in pancreas and brain, and is localized in the nucleus.

Validation Data



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