

## Product datasheet for **AP15269PU-N**

### DUSP8 (C-term) Rabbit Polyclonal Antibody

#### Product data:

|                       |   |
|-----------------------|---|
| Product Type:         | Primary Antibodies  |
| Applications:         | IHC, WB   |
| Recommended Dilution: | ELISA: 1/1,000.<br>Western blotting: 1/100 - 1/500.<br>Immunohistochemistry: 1/50 - 1/100.  |
| Reactivity:           | Human   |
| Host:                 | Rabbit  |
| Isotype:              | Ig  |
| Clonality:            | Polyclonal  |
| Immunogen:            | This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of human DUSP8. |
| Specificity:          | This antibody reacts to DUSP8.  |
| Formulation:          | PBS with 0.09% (W/V) sodium azide<br>State: Purified<br>State: Liquid purified Ig   |
| Concentration:        | lot specific  |
| Purification:         | Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS                           |
| Conjugation:          | Unconjugated  |
| Storage:              | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing.             |
| Stability:            | Shelf life: one year from despatch.   |
| Gene Name:            | dual specificity phosphatase 8  |
| Database Link:        | <a href="#">Entrez Gene 1850 Human Q13202</a>   |



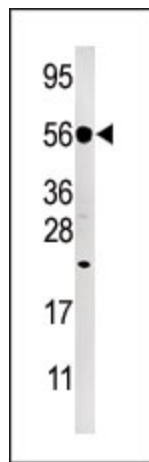
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**Background:**

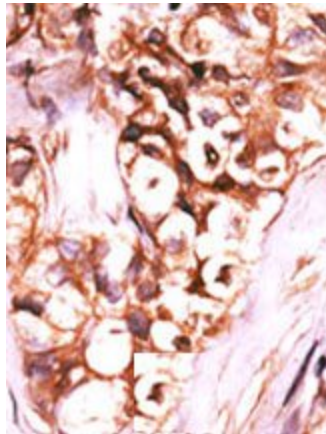
DUSP8 is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which is 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. DUSP8 inactivates SAPK/JNK and p38, is expressed predominantly in the adult brain, heart, and skeletal muscle, is localized in the cytoplasm, and is induced by nerve growth factor and insulin.

**Synonyms:**

Dual specificity protein phosphatase 8

**Product images:**

Western blot analysis of anti-DUSP8 Pab in HeLa cell line lysate (35ug/lane). DUSP8 (arrow) was detected using the purified Pab (1:50 dilution).



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining.