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# Product datasheet for TA349043

## USP25 Rabbit Polyclonal Antibody

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | IF, IHC, WB |
| **Recommended Dilution:** | WB: 1 - 2 ug/mL, IHC: 5 ug/mL, IF: 20 ug/mL |
| **Reactivity:** | Human, Mouse |
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Immunogen:** | USP25 antibody was raised against a 17 amino acid peptide near the center of human USP25. |
| **Formulation:** | PBS containing 0.02% sodium azide. |
| **Concentration:** | 1 mg/ml |
| **Purification:** | USP25 antibody is affinity chromatography purified via peptide column. |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store at -20°C as received. |
| **Stability:** | Stable for 12 months from date of receipt. |
| **Predicted Protein Size:** | Predicted: 116 kDa; Observed: 105 kDa |
| **Gene Name:** | ubiquitin specific peptidase 25 |
| **Database Link:** | NP_037528<br>Entrez Gene 29761 Human<br>Q9UHP3 |
| **Background:** | USP25 (ubiquitin specific peptidase 25), also known as USP21, belongs to the peptidase C19 family and is a highly conserved 76-amino acid protein involved in regulation of intracellular protein breakdown, cell cycle regulation, and stress response (1). It contains one UBA-like domain and two UIM (ubiquitin-interacting motif) repeats. Due to alternative splicing events, USP25 is expressed as two short, ubiquitously expressed isoforms and one long, muscle-specific isoform (2). The long isoform of USP25 (USP25m) is upregulated in myogenesis and is implicated in regulation of muscular differentiation and function. USP25 is a deubiquitinating enzyme (DUB) that negatively regulates IL-17-triggered signaling (3,4). |
| **Synonyms:** | USP21 |

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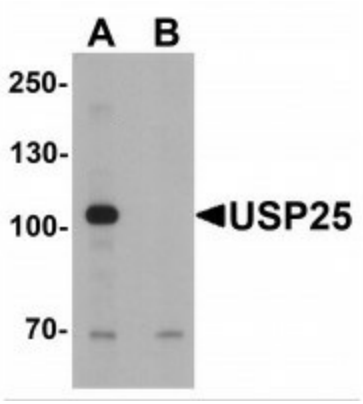
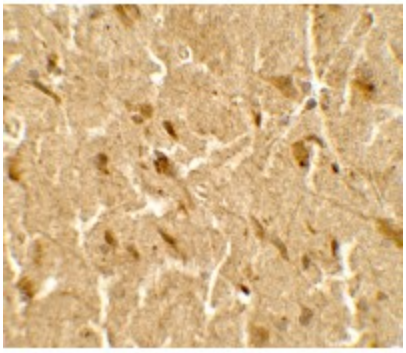
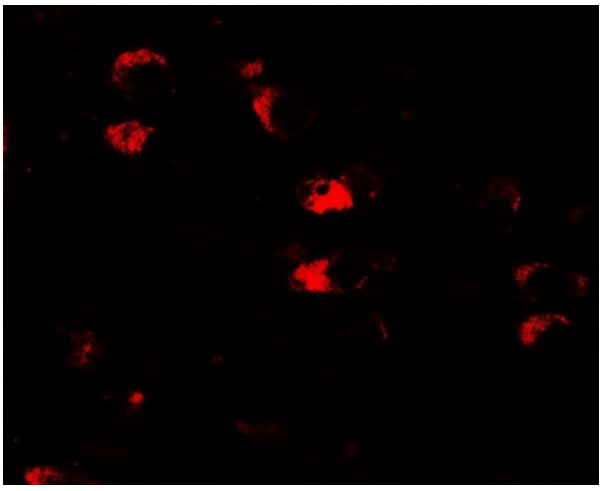
## Product images:




Western blot analysis of USP25 in mouse brain tissue lysate with USP25 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of USP25 in human brain tissue with USP25 antibody at 5 ug/mL.



Immunofluorescence of USP25 in human brain tissue with USP25 antibody at 20 ug/mL.