

## Product datasheet for **TA326846**

### STEAP3 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500-1:2000
Reactivity:	Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human STEAP3
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	STEAP3 metalloreductase
Database Link:	<a href="#">NP_060704</a> <a href="#">Entrez Gene 68428 Mouse</a> <a href="#">Q658P3</a>



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**Background:**

Caspases modulate apoptosis in various ways. Specifically, Caspase-3, a death protease, is instrumental in cleaving cellular proteins, dismantling the cell and forming apoptotic bodies. pHyde has a potential role as a tumor suppressor by inducing caspase-3-mediated apoptosis and stimulating p53 expression. A dose-dependent increase in caspase-3 activity is observed in transduced pHyde DU145 cells. Furthermore, caspase-3 may be necessary for pHyde-mediated apoptosis. The pHyde gene may upregulate the apoptosis pathway and thus have a potential application in cancer gene therapy. Recombinant pHyde inhibits the growth of human prostate cancer cell lines DU145 and LNCaP in vitro. DU145 tumors may be reduced significantly in vivo when nude mice are injected with recombinant pHyde. pHyde also has a demonstrated growth inhibitory effect on human breast cancer cells. This suggests that pHyde may have a role in inhibiting different tumor types.

**Synonyms:**

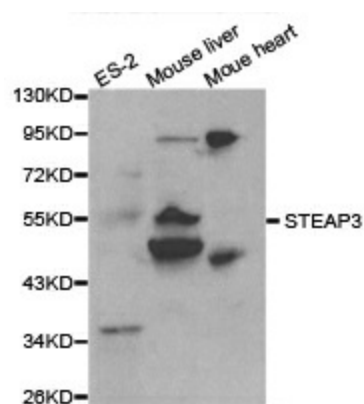
AHMIO2; dudlin-2; dudulin-2; pHyde; STMP3; TSAP6

**Protein Families:**

Transmembrane

**Protein Pathways:**

p53 signaling pathway

**Product images:**

Western blot analysis of extracts of various cell lines, using STEAP3 antibody.