

Product datasheet for **AP55364SU-N**

Sts1 (UBASH3B) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Western Blot: 1/200-1/1000. Immunohistochemistry: 1/50-1/200.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from UBASH3B protein
Specificity:	This antibody reacts with 72 kDa protein.
Formulation:	State: Serum State: Lyophilized serum Preservative: None
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store the antibody at -20°C. Store reconstituted antibody at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	ubiquitin associated and SH3 domain containing B
Database Link:	Entrez Gene 84959 Human Q8TF42



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Background:

Sts-1 is a protein that inhibits endocytosis of epidermal growth factor receptor (EGFR) and platelet-derived growth factor receptor. Sts-1 and Sts-2 (formerly p70 and Clip4, respectively) have been found to interact with Cbl, an ubiquitin ligase that plays a critical role in attenuation of receptor tyrosine kinase signaling by inducing ubiquitination and promoting their sorting for endosomal degradation. Sts-1 and Sts-2 contain SH3 domains that interact with Cbl, Ub-associated domains, which bind directly to mono-Ub or to the EGFR/Ub chimera, as well as phosphoglycerate mutase domains that mediate oligomerization of Sts-1/2. Sts-1 and Sts-2 also have been found to negatively regulate signaling pathways that control T cell receptors, which in turn affect the extent and duration of the T cell response to foreign pathogens.

Synonyms:

KIAA1959, STS-1