

Anti-Sts-1 UBASH3B Antibody

Catalog Number: A09570

About UBASH3B

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.

Overview

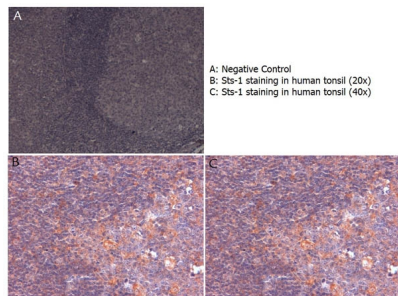
Product Name	Anti-Sts-1 UBASH3B Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-Sts-1 UBASH3B Antibody (Catalog # A09570). Tested in ELISA, IHC, WB applications. This antibody reacts with Human, Mouse.
Application	ELISA, IHC, WB
Clonality	Polyclonal
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Sodium Azide
Storage Instructions	Store vial at -20°C prior to opening. Aliquot contents and freeze at -20°C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening. (Ship on dry ice.)
Host	Rabbit
Uniprot ID	Q8TF42

Technical Details

Immunogen	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to the C-terminus of mouse Sts-1.
Predicted Reactive Species	Chicken, Primate
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid (sterile filtered)

Concentration	0.95 mg/mL by UV absorbance at 280 nm
Purification	This affinity purified antibody is directed against mouse Sts-1 protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest reactivity with this protein from mouse, human, rat and dog based on 100% homology for the immunogen sequence. Cross-reactivity with Sts-1 homologues from other sources has not been determined.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: ELISA: 1:2,000 - 1:10,000 IHC: 4µg/ml IF Microscopy: User optimized WB: 1:500 - 1:3,000

Anti-Sts-1 UBASH3B Antibody (A09570) Images



Sts-1 was detected in paraffin-embedded sections of histiocytic elements in cytoplasm of human tonsil at 20x and 40x (B & C) using rabbit anti-Sts-1 Antigen Affinity purified polyclonal antibody (Catalog # A09570) at 4 ug/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Western blot analysis of Sts-1 expression in recombinant (truncated) Sts-1-GST (lane 1). Sts-1 at 70KD was detected using rabbit anti-Sts-1 Antigen Affinity purified polyclonal antibody (Catalog # A09570) at 0.3 ug/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).

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