

Rabbit anti-Human STX17 Polyclonal Antibody | anti-STX17 antibody

Anti-STX17 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256753	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, Western Blot

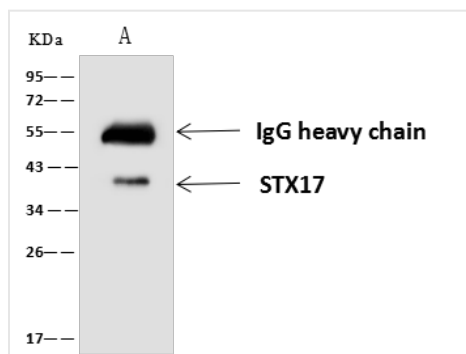
PRODUCT SYNONYMS

STX17; Polyclonal Antibody; Anti-STX17 Antibody; Rabbit Polyclonal; STX17 Antibody; Rabbit PAb; Antigen Affinity Purified; syntaxin 17; anti-STX17 antibody

PRODUCT SPECIFICATIONS

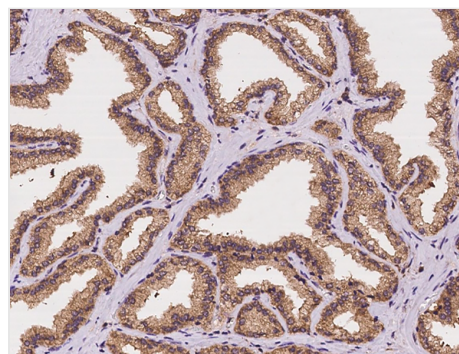
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human STX17
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-STX17 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human STX17 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human STX17 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



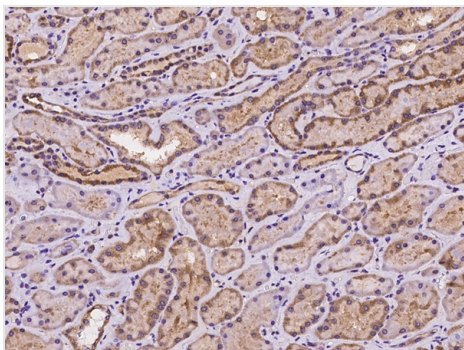
IP (Immunoprecipitation)

STX17 was immunoprecipitated using: Lane A: 0.5 mg HeLa Whole Cell Lysate + 4 μ L anti-STX17 rabbit polyclonal antibody and 60 μ g of Immomagnetic beads Protein A/G. Primary antibody: Anti-STX17 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 33 kDa. Observed band size: 38 kDa.



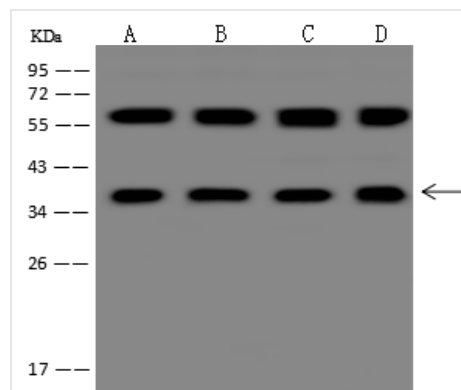
IHC (Immunohistochemistry)

Immunochemical staining of human STX17 in human prostate with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human STX17 in human kidney with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-STX17 rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lane B: Jurkat Whole Cell Lysate Lane C: A431 Whole Cell Lysate Lane D: HepG2 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 33 kDa Observed band size: 36 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-STX17 antibody

Syntaxin 17 (STX17) is an ER-resident SNARE (soluble N-ethylmaleimide-sensitive factor attachment protein receptor) protein involved in autophagy. STX17 has been reported to regulate mitochondrial dynamics by regulating the localization and GTPase activity of Drp1, integrating mitochondrial dynamics and autophagy, in response to nutrient conditions. STX17 is essential for autophagosome-lysosome fusion and aggrephagy and completed depletion of STX17 negatively regulates mitochondria elongation and mitochondrial ROS production. STX17 was also found to cycle between the endoplasmic reticulum (ER), ER-Golgi intermediate compartment (ERGIC) and Golgi. STX17 also localizes to the ER-mitochondria contact sites where it recruits ATG14 and activates autophagosome biogenesis.

References

Xian H, et al. (2019) Stx17 dynamically regulated by fis1 induces mitophagy via hierarchical macroautophagic mechanism. Nat Commun 10 (1): 2059. Wang B, et al. (2019) Syntaxin-17-dependent mitochondrial dynamics is essential for protection against oxidative-stress-induced apoptosis. Antioxidants (Basel) 8 (11): 522.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/stx17-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/256753>