

Rabbit TAS2R10 Polyclonal Antibody | anti-TAS2R10 antibody

Anti-TAS2R10 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127686	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

TAS2R10; Polyclonal Antibody; Anti-TAS2R10 Antibody Picoband; anti-TAS2R10 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-TAS2R10 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Immunogen	E coli-derived human TAS2R10 recombinant protein (Position: E16-T307).
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

IMAGES



IF (Immunofluorescence)

Figure 5. IF analysis of TAS2R10 using anti-TAS2R10 antibody (AAA127686).TAS2R10 was detected in a paraffin-embedded section of human cervix cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 5ug/mL rabbit anti-TAS2R10 Antibody (AAA127686) overnight at 4 degree C. DyLight594 Conjugated Goat Anti-Rabbit IgG (BA1142) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



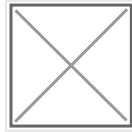
FCM/FACS (Flow Cytometry)

Figure 4. Flow Cytometry analysis of HEL cells using anti-TAS2R10 antibody (AAA127686).Overlay histogram showing HEL cells stained with AAA127686 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-TAS2R10 Antibody (AAA127686, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



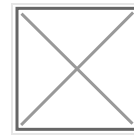
IHC (Immunohistochemisry)

Figure 3. IHC analysis of TAS2R10 using anti-TAS2R10 antibody (AAA127686).TAS2R10 was detected in a paraffin-embedded section of human cervix squamous cell carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-TAS2R10 Antibody (AAA127686) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of TAS2R10 using anti-TAS2R10 antibody (AAA127686).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human Hela whole cell lysates,Lane 2: human HEL whole cell lysates,Lane 3: human SH-SY5Y whole cell lysates,Lane 4: human U251 whole cell lysates,Lane 5: rat C6 whole cell lysates,Lane 6: mouse NIH/3T3 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-TAS2R10 antigen affinity purified polyclonal antibody (#AAA127686) at 0.25ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for TAS2R10 at approximately 38 kDa. The expected band size for TAS2R10 is at 35 kDa.



IHC (Immunohiostchemistry)

Figure 2. IHC analysis of TAS2R10 using anti-TAS2R10 antibody (AAA127686).TAS2R10 was detected in a paraffin-embedded section of human cervix squamous cell carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-TAS2R10 Antibody (AAA127686) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-TAS2R10 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-TAS2R10 antibody	Primary Antibodies
References	1. Adler, E., Hoon, M. A., Mueller, K. L., Chandrashekar, J., Ryba, N. J. P., Zuker, C. S. A novel family of mammalian taste receptors. Cell 100: 693-702, 2000. 2. Chandrashekar, J., Hoon, M. A., Ryba, N. J. P., Zuker, C. S. The receptors and cells for mammalian taste. Nature 444: 288-294, 2006. 3. Deshpande, D. A., Wang, W. C. H., McIlmoyle, E. L., Robinett, K. S., Schillinger, R. M., An, S. S., Sham, J. S. K., Liggett, S. B. Bitter taste receptors on airway smooth muscle bronchodilate by localized calcium signaling and reverse obstruction. Nature Med. 16: 1299-1304, 2010.

NCBI AND UNIPROT INFORMATION

NCBI GI #	12965180
NCBI GeneID	50839
NCBI Accession #	NP_076410.1
NCBI GenBank Nucleotide #	NM_023921.1
UniProt Accession #	Q9NYW0 ; Q3MIM9 ; Q6NTD9
Molecular Weight	35,365 Da
NCBI Official Full Name	taste receptor type 2 member 10

NCBI Official Synonym Full Names	taste receptor, type 2, member 10
NCBI Official Symbol	TAS2R10
NCBI Official Synonym Symbols	TRB2; T2R10
NCBI Protein Information	taste receptor type 2 member 10; taste receptor family B member 2; taste receptor, family B, member 2
UniProt Protein Name	Taste receptor type 2 member 10
UniProt Gene Name	TAS2R10
UniProt Synonym Gene Names	T2R10; TRB2
UniProt Entry Name	T2R10_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/tas2r10-antibody-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/127686>