



TGFA1 Polyclonal Antibody

Catalog No	YP-Ab-07310
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	TGFBRAP1
Immunogen	Synthesized peptide derived from human protein . at AA range: 671-720
Specificity	TGFA1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TGFA1;TGFBRAP1;Transforming growth factor-beta receptor-associated protein 1 (TGF-beta receptor-associated protein 1) (TRAP-1) (TRAP1)
Observed Band	94kD
Calculated Molecular Weight	94kD
Cell Pathway	Cytoplasm . Early endosome . Colocalizes with TGF-beta receptors in the absence of signaling.
Tissue Specificity	Brain,Lymph,
Function	caution:In (PubMed:9545258) and in (PubMed:10051563) experimental information is given for a truncated version of TGFBRAP1 (sequence of 474-860) , which was later shown to act as a dominant negative.,function:Plays a role in the TGF-beta/activin signaling pathway. It associates with inactive heteromeric TGF-beta and activin receptor complexes, mainly through the type II receptor, and is released upon activation of signaling. May recruit SMAD4 to the vicinity of the receptor complex and facilitate its interaction with receptor-regulated Smads, such as SMAD2.,similarity:Belongs to the TRAP1 family.,subcellular location:Colocalizes with TGF-beta receptors in the absence of signaling., subunit:Interacts with TGFB2 and ACVR2B; in the absence of ligand stimulation. Interacts with TGFB1, ACVRL1, BMPR1A and ACVR1B; in the

absence of ligand stimulation and to a less extent. Interacts with SMAD4;

Background

transforming growth factor beta receptor associated protein 1(TGFBRAP1)
Homo sapiens This gene encodes a protein that binds to transforming growth factor-beta (TGF-beta) receptors and plays a role in TGF-beta signaling. The encoded protein acts as a chaperone in signaling downstream of TGF-beta. It is involved in signal-dependent association with SMAD4. The protein is also a component of mammalian CORVET, a multisubunit tethering protein complex that is involved in fusion of early endosomes. [provided by RefSeq, Jun 2016],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images