

Immunotag™ TM2D1 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN1413
Product Description	Immunotag™ TM2D1 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	TM2D1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	TM2D1 Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	TM2D1 BBP
Accession No.	Q9BX74 Q99MB3

Antibody Specification

Description	TM2 domain containing 1(TM2D1) Homo sapiens The protein encoded by this gene is a beta-amyloid peptide-binding protein. It contains a structural module related to that of the seven transmembrane domain G protein-coupled receptor superfamily and known to be important in heterotrimeric G protein activation. Beta-amyloid peptide has been established to be a causative factor in neuron death and the consequent diminution of cognitive abilities observed in Alzheimer's disease. This protein may be a target of neurotoxic beta-amyloid peptide, and may mediate cellular vulnerability to beta-amyloid peptide toxicity through a G protein-regulated program of cell death. Several transcript variants have been found for this gene. [provided by RefSeq, Feb 2016],
Protein Expression	Testis,
Subcellular Localization	nucleus,nucleoplasm,integral component of plasma membrane,integral component of membrane,
Protein Function	caution:Was initially thought (PubMed:11278849) to modulate beta-amyloid toxicity by coupling to G protein. However, PubMed:12836168 showed that this effect is not direct.,function:May participate to beta-amyloid-induced apoptosis via its interaction with beta-APP42.,PTM:N-glycosylated.,similarity:Belongs to the TM2 family.,subunit:Interacts with beta-APP42 (beta-amyloid protein 42) peptide of APP.,tissue specificity:Widely expressed.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.