

Product name:	TM2D1 Rabbit Polyclonal Antibody
Cat number:	ABN19025
Conjugate:	Unconjugated
Size:	100μL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Synthesized peptide derived from part region of human protein
Reactivity:	Human, Mouse
Applications:	WB 1:500-1:2000, ELISA 1:5000-1:20000
Molecular Weight:	22kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	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], 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.,