

BTBD10 Rabbit pAb

Catalog # AP97651

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9BSF8
Other Accession	Q9BSF8
Reactivity	Rat
Predicted	Pig, Human, Mouse, Rabbit, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53779
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human BTBD10
Epitope Specificity	301-400/475
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 BTB (POZ) domain.
SUBUNIT	Interacts with topoisomerase 1 and with TRIM5 isoform Delta. Interacts with CUL3.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	BTBD1 contains a proline-rich region and a BTB/POZ domain which are typically involved in protein-protein interactions. The C-terminus of BTBD1 binds topoisomerase I and BTBD1 also interacts with TRIM5 isoform Delta. BTBD1 localizes to cytoplasmic bodies and is essential for myogenic differentiation.

Additional Information

Gene ID	84280
Other Names	GMRP-1; GMRP1; 1110056N09Rik; RGD1306301; BTBDA_HUMAN; BTBD10; Glucose metabolism-related protein 1; BTBDA_MOUSE; BTB domain containing 10; BTB (POZ) domain containing 10
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	BTBD10
Synonyms	GMRP1 {ECO:0000303 PubMed:21267538}
Function	Plays a major role as an activator of AKT family members by inhibiting PPP2CA-mediated dephosphorylation, thereby keeping AKTs activated. Plays a role in preventing motor neuronal death and accelerating the growth of pancreatic beta cells.
Cellular Location	Nucleus. Cytoplasm {ECO:0000250 UniProtKB:Q80X66}. Note=Colocalizes with KCTD20 in filamentous structures. {ECO:0000250 UniProtKB:Q80X66}
Tissue Location	Ubiquitously expressed. Highly expressed in adult brain, testis, aorta and small intestine and weakly expressed in the heart, lung, liver, kidney, pancreas, spleen, thymus, prostate, ovary and colon. Down-regulated in glioma.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.