

GW182 Rabbit pAb

Catalog # AP98009

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8NDV7
Other Accession	Q8NDV7
Reactivity	Rat
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	210297
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GW182
Epitope Specificity	631-730/1962
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the GW182 family. Contains 1 RRM (RNA recognition motif) domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the trinucleotide repeat containing 6 protein family. The protein functions in post-transcriptional gene silencing through the RNA interference (RNAi) and microRNA pathways. The protein associates with messenger RNAs and Argonaute proteins in cytoplasmic bodies known as GW-bodies or P-bodies. Inhibiting expression of this gene delocalizes other GW-body proteins and impairs RNAi and microRNA-induced gene silencing. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	27327
Other Names	CAGH26; FAME6; GW1; GW182; TNRC6; 2010321I05Rik; 3110054G10Rik; D130023A07Rik; TNRC6A_HUMAN; TNRC6A; CAG repeat protein 26; EMSY interactor protein; GW182 autoantigen (Protein GW1); Glycine-tryptophan protein of 182 kDa; KIAA1460; TNRC6A_MOUSE; trinucleotide repeat containing adaptor 6A; trinucleotide repeat containing 6; trinucleotide repeat containing 6A
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	TNRC6A
Synonyms	CAGH26, KIAA1460, TNRC6
Function	Plays a role in RNA-mediated gene silencing by both micro- RNAs (miRNAs) and short interfering RNAs (siRNAs). Required for miRNA- dependent repression of translation and for siRNA-dependent endonucleolytic cleavage of complementary mRNAs by argonaute family proteins. As a scaffolding protein, associates with argonaute proteins bound to partially complementary mRNAs, and can simultaneously recruit CCR4-NOT and PAN deadenylase complexes.
Cellular Location	Cytoplasm, P-body Note=Mammalian P-bodies are also known as GW bodies (GWBs)
Tissue Location	Ubiquitous.

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