

SAMD7 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP11411c

Product Information

Application	WB, IHC-P, E
Primary Accession	Q7Z3H4
Other Accession	NP_872416.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB29437
Calculated MW	49112
Antigen Region	202-230

Additional Information

Gene ID	344658
Other Names	Sterile alpha motif domain-containing protein 7, SAM domain-containing protein 7, SAMD7
Target/Specificity	This SAMD7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 202-230 amino acids from the Central region of human SAMD7.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SAMD7 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SAMD7
Function	Component of a Polycomb group (PcG) multiprotein PRC1-like complex, essential for establishing rod photoreceptor cell identity and function by silencing nonrod gene expression in developing rod photoreceptor cells. Via

its association with the PRC1-like complex, promotes epigenetic repressive marks H3K27me3 and H2AK119ub marks in nonrod genes, silencing their transcription. Represses Crx-controlled photoreceptor-specific gene expression.

Cellular Location

Nucleus. Cytoplasm {ECO:0000250|UniProtKB:Q8C8Y5}. Note=Co-localizes with PHC2 and RNF2 in nuclear polycomb bodies. {ECO:0000250|UniProtKB:Q8C8Y5}

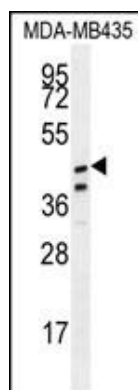
Tissue Location

Expressed in the retina (at protein level) (PubMed:26887858). Expressed in the retinal inner and outer nuclear layers (PubMed:38272031).

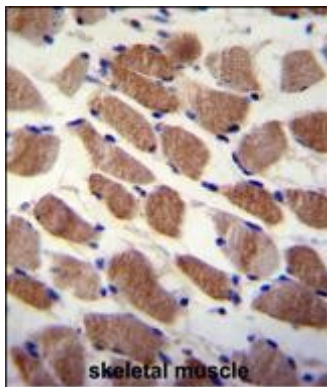
References

Gerhard, D.S., et al. Genome Res. 14 (10B), 2121-2127 (2004) :

Images



SAMD7 Antibody (Center) (Cat. #AP11411c) western blot analysis in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the SAMD7 antibody detected the SAMD7 protein (arrow).



SAMD7 Antibody (Center) (Cat. #AP11411c) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of SAMD7 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

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