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PRDM12 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50619

Product Information

Application	WB
Primary Accession	Q9H4Q4
Reactivity	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Calculated MW	40403

Additional Information

Gene ID	59335
Other Names	PR domain zinc finger protein 12, 211-, PR domain-containing protein 12, PRDM12, PFM9
Dilution	WB~~ 1:1000
Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.
Storage Conditions	-20℃

Protein Information

Name	PRDM12
Synonyms	PFM9
Function	Transcriptional regulator necessary for the development of nociceptive neurons, playing a key role in determining the nociceptive lineage from neural crest cell progenitors. Initiates neurogenesis and activates downstream pro-neuronal transcription factors, such as NEUROD1, BRN3A, and ISL1, specifically within nociceptive neurons, while repressing non-nociceptor cell fates. Essential for the proper function of nociceptors in adults, influencing both their excitability and their gene expression, thereby impacting how these neurons respond to various pain stimuli.
Cellular Location	Nucleus.
Tissue Location	Not found in adult tissues except in dorsal root ganglia.

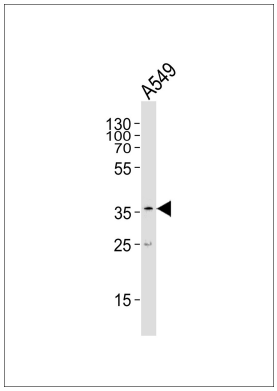
Background

May be involved in transcriptional regulation.

References

Yang X.-H.,et al.Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.
Humphray S.J.,et al.Nature 429:369-374(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of lysate from A549 cell line,using PRDM12 Antibody(AP50619). AP50619 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35ug.

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