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PRDM12 Polyclonal Antibody

Catalog # AP72035

Product Information

Application	IF, ICC, E, IHC-P
Primary Accession	Q9H4Q4
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40403

Additional Information

Gene ID	59335
Other Names	PRDM12; PFM9; PR domain zinc finger protein 12; PR domain-containing protein 12
Dilution	IF~~1:50~200 ICC~~N/A E~~N/A IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

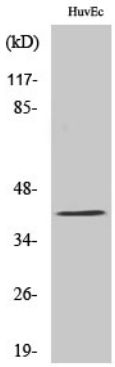
Protein Information

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

Involved in the positive regulation of histone H3-K9 dimethylation.

Images



Western Blot analysis of various cells using PRDM12 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).

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