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Prdm12 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI14218

Product Information

Application	WB
Primary Accession	A2AJ77
Other Accession	NM_001123362, NP_001116834
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Mouse, Rat, Rabbit, Zebrafish, Pig, Chicken, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40303

Additional Information

Gene ID	381359
Alias Symbol	Gm998
Other Names	PR domain zinc finger protein 12, 2.1.1.-, PR domain-containing protein 12, Prdm12, Gm998
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Prdm12 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Prdm12 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Prdm12
Synonyms	Gm998
Function	Transcriptional regulator necessary for the development of nociceptive neurons, playing a key role in determining the nociceptive lineage from neural crest cell progenitors (PubMed:30917305, PubMed:33789102). 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 (PubMed:30917305). Essential for the proper function of nociceptors in adults, influencing both their excitability and their gene expression, thereby impacting how these neurons respond to

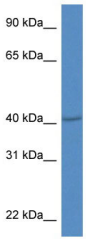
various pain stimuli (PubMed:34961757).

Cellular Location Nucleus {ECO:0000250|UniProtKB:Q9H4Q4}.

References

Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009).

Images



WB Suggested Anti-Prdm12 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Thymus