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SOX12 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10496

Product Information

Application	WB
Primary Accession	O15370
Other Accession	NM_006943, NP_008874
Reactivity	Human, Mouse, Rat, Pig, Dog
Predicted	Human, Mouse, Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34122

Additional Information

Gene ID	6666
Alias Symbol	SOX22
Other Names	Transcription factor SOX-12, Protein SOX-22, SOX12, SOX22
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 100 ul of distilled water. Final anti-SOX12 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	SOX12 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SOX12
Synonyms	SOX22
Function	Transcription factor that binds to DNA at the consensus sequence 5'-ACCAAAG-3' (By similarity). Acts as a transcriptional activator (By similarity). Binds cooperatively with POU3F2/BRN2 or POU3F1/OCT6 to gene promoters, which enhances transcriptional activation (By similarity). Involved in the differentiation of naive CD4-positive T-cells into peripherally induced regulatory T (pT reg) cells under inflammatory conditions (By similarity). Binds to the promoter region of the FOXP3 gene and promotes its transcription, and might thereby contribute to pT reg cell differentiation in the spleen and lymph nodes during inflammation (By similarity). Plays a redundant role with SOX4

	and SOX11 in cell survival of developing tissues such as the neural tube, branchial arches and somites, thereby contributing to organogenesis (By similarity).
Cellular Location	Nucleus {ECO:0000255|PROSITE-ProRule:PRU00267, ECO:0000269|PubMed:9215677}
Tissue Location	Expressed most abundantly in the CNS (PubMed:9215677). Expressed in the heart, pancreas, thymus, testis and ovary (PubMed:9215677). Weakly expressed in brain, placenta, lung, liver, skeletal muscle, kidney, spleen, prostate, small intestine, colon, and peripheral blood lymphocytes (PubMed:9215677)

References

Kato,N., et al., (2001) Mol. Endocrinol. 15 (3), 353-362Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images

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