

ARG41311 anti-SOX12 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes SOX12
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Dog, Gpig, Hrs, Pig
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SOX12
Species	Human
Immunogen	Synthetic peptide around the C-terminal region of Human SOX12. (within the following region: DCSALDRDPLQPPSGTSHFEFPDYCTPEVTEMIAGDWRPSSIADLVFTY)
Conjugation	Un-conjugated
Alternate Names	Transcription factor SOX-12; SOX22; Protein SOX-22

Application Instructions

Predict Reactivity Note	Predicted Homology Based On Immunogen Sequence: Dog: 92%; Guinea pig: 85%; Horse: 92%; Mouse: 92%; Pig: 92%; Rat: 92%				
Application table	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>WB</td><td>0.2 - 1 µg/ml</td></tr></tbody></table>	Application	Dilution	WB	0.2 - 1 µg/ml
Application	Dilution				
WB	0.2 - 1 µg/ml				
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				
Positive Control	Jurkat				
Observed Size	~ 34 kDa				

Properties

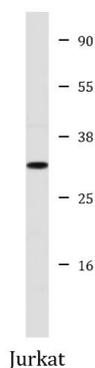
Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.
Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose
Concentration	Batch dependent: 0.5 - 1 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	SOX12
Gene Full Name	SRY (sex determining region Y)-box 12
Background	Members of the SOX family of transcription factors are characterized by the presence of a DNA-binding high mobility group (HMG) domain, homologous to the HMG box of sex-determining region Y (SRY). Forming a subgroup of the HMG domain superfamily, SOX proteins have been implicated in cell fate decisions in a diverse range of developmental processes. SOX transcription factors have diverse tissue-specific expression patterns during early development and have been proposed to act as target-specific transcription factors and/or as chromatin structure regulatory elements. The protein encoded by this gene was identified as a SOX family member based on conserved domains, and its expression in various tissues suggests a role in both differentiation and maintenance of several cell types. [provided by RefSeq, Jan 2013]
Function	Binds to the sequence 5'-AACAAAT-3'. [UniProt]
Calculated Mw	34 kDa
Cellular Localization	Nucleus. [UniProt]

Images



ARG41311 anti-SOX12 antibody WB image

Western blot: Jurkat cell lysate stained with ARG41311 anti-SOX12 antibody at 0.2 - 1 µg/ml dilution.