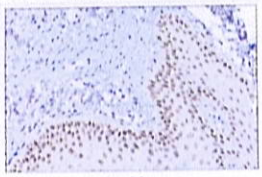
Product Image



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HPA000536

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Anti-SOX11 antibody produced in rabbit

Prestige Antibodies® Powered by Atlas Antibodies, affinity isolated antibody, buffered aqueous glycerol solution

★★★★★
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Human Protein Atlas Number: HPA000536 Human Protein Atlas characterization data

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Description

Application	Prestige Antibodies® Powered by Atlas Antibodies are developed and validated by the Human Protein Atlas (HPA) project (www.proteinatlas.org). Each antibody is tested by immunohistochemistry against hundreds of normal and disease tissues. These images can be viewed on the Human Protein Atlas (HPA) site by clicking on the Image Gallery link. The antibodies are also tested using protein array and western blotting. To view these protocols and other useful information about Prestige Antibodies and the HPA, visit sigma.com/prestige.
Immunogen	Transcription factor SOX-11 recombinant protein epitope signature tag (PrEST)
Physical form	Solution in phosphate-buffered saline, pH 7.2, containing 40% glycerol and 0.02% sodium azide
Legal Information	Prestige Antibodies is a registered trademark of Sigma-Aldrich Biotechnology LP and Sigma-Aldrich Co.

Properties

antibody form	affinity isolated antibody
grade	Prestige Antibodies® Powered by Atlas Antibodies
clone	polyclonal
form	buffered aqueous glycerol solution
species reactivity	human
application(s)	immunoblotting: suitable immunohistochemistry (formalin-fixed, paraffin-embedded sections): suitable indirect immunofluorescence: suitable protein array: suitable
immunogen sequence	FMVWSKIERRKIMEQSPDMHNAEISKRLGKRWKMLKDSEKIPFIREAERLRLKHMADYPDYKYRPRKKPKMDPSA KPSASQSPEKSAAGGGGGSAGGGAGGAKTSKGSSKK
shipped in	wet ice
storage temp.	−20°C
Gene Information	Research your gene in Your Favorite Gene powered by Ingenuity human ... SOX11(6664)

Safety

Personal Protective Equipment	Eyeshields, Gloves, half-mask respirator (EU), half-mask respirator (US), multi-purpose combination respirator cartridge (US)
WGK Germany	1

Product Information

sigma-aldrich.com

3050 Spruce Street, Saint Louis, MO 63103 USA
Tel: (800) 521-8956 (314) 771-5765 Fax: (800) 325-5052 (314) 771-5757
email: techservice@sial.com sigma-aldrich.com

Prestige Antibodies®
Powered by ATLAS ANTIBODIES

Immunohistochemistry Procedure

Product Description
The Prestige Antibodies® are subjected to a standardized test procedure using specially designed tissue microarray (TMA) slides.

Preparation Instructions
Deparaffinization
Paraffin sections of 4 µm thickness are baked overnight at 50 °C. Prior to immunostaining, deparaffinization and hydration are done in xylene and graded ethanol to distilled water. During hydration, a 5 minute blocking for endogeneous peroxidase is done with 0.3% (v/v) H_2O_2 in 95% ethanol.

Wash Buffer – working wash buffer contains 0.2% TWEEN® 20.

Procedure
Standard Antigen Retrieval Method
Heat Induced Epitope Retrieval (HIER) is performed by heating the TMA slides immersed in retrieval solution: 10 mM sodium citrate buffer, pH 6.0, with 1 mM EDTA, at 125 °C for 4 minutes in a pressure boiler. After boiling is completed, slides remain in the pressure boiler and are allowed to cool down to 90 °C. The total processing time is ~45 minutes.

Alternative Antigen Retrieval Methods
1. HIER performed with retrieval buffer, pH 9.
2. Enzymatic Antigen Retrieval - Enzymatic retrieval is performed by incubation of the TMA slides with Proteinase K for 10 minutes at room temperature (RT).

Standard primary antibody dilutions
- for antibody concentrations <0.06 mg/ml, 1:25
- for antibody concentrations >0.06 mg/ml, 1:75
- for antibody concentrations >0.1 mg/ml, 1:150
  Note: The specified working dilutions of the antibodies are to be considered as guidelines only. Optimal dilutions must be determined by the user.

Immunohistochemical staining – Performed with Lab Vision Autostainer™ 480. Incubations are performed at room temperature. Reagents are applied at a volume of 300 µl per TMA slide.

1. Rinse in wash buffer.
2. Incubate with primary antibody for 30 minutes.
3. Rinse 2 times in wash buffer.
4. Incubate with peroxidase labeled polymer conjugated to a secondary antibody for 30 minutes
5. Rinse 2 times in wash buffer.
6. Develop for 10 minutes using diaminobenzidine (DAB) as the substrate.
7. Rinse 2 times in distilled water
   Note: Steps 8–13 are done in a histostaining instrument (Leica Autostainer XL).
8. Counterstain in Mayer's hematoxylin for 5 minutes.
9. Rinse 2 times in tap water.
10. Rinse in lithium carbonate water, diluted 1:5 from saturated solution, for 1 minute.
11. Rinse in tap water for 5 minutes.
12. Dehydrate in graded ethanol and xylene.
13. Coverslipping.

BD,KB,LPG,MAM 12/10-1