

MEIS1 Polyclonal Antibody

Catalog NumberPA5-23376

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Chicken, Human, Mouse, Non-human primate, Rat
Host/Isotope	Rabbit / IgG		
Class	Polyclonal	Tested Applications	Dilution *
Type	Antibody	Immunohistochemistry (Paraffin) (IHC (P))	5 µg/mL
Immunogen	A portion of amino acids 170-220 of MEIS1	Western Blot (WB)	2-4 µg/mL
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	0.5 mg/mL		
Purification	Protein A		
Storage buffer	PBS with 0.05% BSA		
Contains	0.05% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Background/Target Information

Homeobox genes, of which the most well-characterized category is represented by the HOX genes, play a crucial role in normal development. In addition, several homeoproteins are involved in neoplasia. This gene encodes a homeobox protein belonging to the TALE family of homeodomain-containing proteins.

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MEIS1 Antibody (PA5-23376) in WB

Western blot was performed using Anti-MEIS1 Polyclonal Antibody, (Product # PA5-23376) and ~53, 50 kDa bands corresponding to isoforms of MEIS1 were observed across tissues tested. Whole cell extracts (30 µg lysate) of Mouse Lung (Lane 1), Mouse Brain (Lane 2), Mouse Kidney (Lane 3), Mouse Placenta (Lane 4), Mouse Skeletal Muscle (Lane 5) (reported to be negative) and Mouse Spleen (Lane 6) (reported to be negative) were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (2 µg/mL) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain), Superclonal™ Recombinant Secondary Antibody, HRP conjugate (Product # A27036, 1:4,000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).

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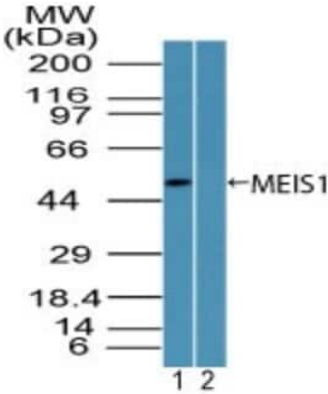
Antibody specificity was demonstrated by detection of differential basal expression of the target across tissue tested owing to their inherent genetic constitution. Relative expression of MEIS1 was observed in Mouse Lung, Mouse Brain and Mouse Kidney in comparison to Mouse Skeletal Muscle and Mouse Spleen using Anti-MEIS1 Polyclonal Antibody (Product # PA5-23376) in Western Blot. {RE}

MEIS1 Antibody (PA5-23376) in IHC (P)

Immunohistochemical analysis of MEIS1 in formalin-fixed, paraffin-embedded human brain tissue. Samples were incubated in MEIS1 polyclonal antibody (Product # PA5-23376) using a dilution of 5 µg/mL. Isotype control (top left) and this antibody (bottom left, right).

MEIS1 Antibody (PA5-23376) in WB

Western blot analysis of MEIS1 in mouse embryo brain lysate in the 1) absence and 2) presence of immunizing peptide. Samples were incubated in MEIS1 polyclonal antibody (Product # PA5-23376) using a dilution of 3 µg/mL followed by a goat anti-rabbit Ig HRP secondary antibody. PicoTect ECL substrate solution was used for this test.



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