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Datasheet for ABIN2779719

anti-NPAS4 antibody (Middle Region)

2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	NPAS4
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Pig, Sheep, Cow, Dog, Horse, Rabbit, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NPAS4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human NPAS4
Sequence:	QAHLDSPSQT FPEQLSPNPT KTYFAQEGCS FLYEKLPPSP SSPGNGDCTL
Predicted Reactivity:	Cow: 86%, Dog: 100%, Guinea Pig: 93%, Horse: 86%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Sheep: 86%
Characteristics:	This is a rabbit polyclonal antibody against NPAS4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	NPAS4
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Target Details

Alternative Name:	NPAS4 (NPAS4 Products)
Background:	<p>NXF is a member of the basic helix-loop-helix-PER (MIM 602260)-ARNT (MIM 126110)-SIM (see SIM2, MIM 600892) (bHLH-PAS) class of transcriptional regulators, which are involved in a wide range of physiologic and developmental events. NXF is a member of the basic helix-loop-helix-PER (MIM 602260)-ARNT (MIM 126110)-SIM (see SIM2, MIM 600892) (bHLH-PAS) class of transcriptional regulators, which are involved in a wide range of physiologic and developmental events (Ooe et al., 2004 [PubMed 14701734]). [supplied by OMIM].</p> <p>Alias Symbols: Le-PAS, NXF, PASD10, bHLHe79</p> <p>Protein Interaction Partner: ARNT2, ARNTL, ARNT,</p> <p>Protein Size: 802</p>
Molecular Weight:	87 kDa
Gene ID:	266743
NCBI Accession:	NM_178864 , NP_849195
UniProt:	Q8IUM7

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 802 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C

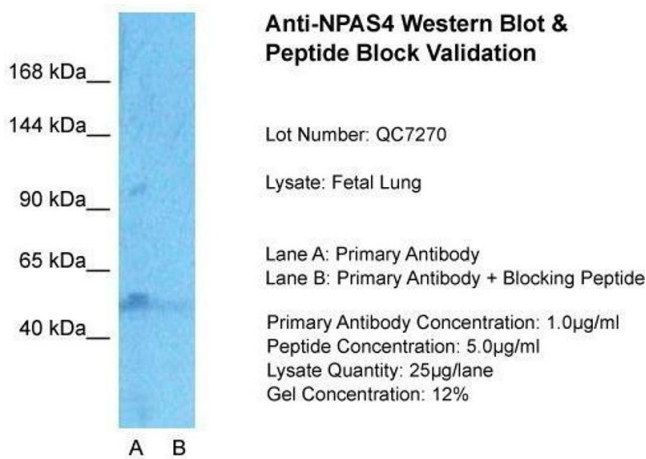
Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

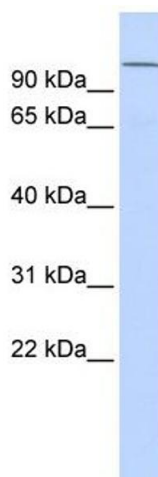
Product cited in: Zhang, Muralimanoharan, Wortman, Mendelson: "Primate-specific miR-515 family members inhibit key genes in human trophoblast differentiation and are upregulated in preeclampsia." in: **Proceedings of the National Academy of Sciences of the United States of America**, (2016) ([PubMed](#)).

Images



Western Blotting

Image 1. Host: Rabbit Target Name: NPAS4 Sample Type: Fetal Lung Lane A: Primary Antibody Lane B: Primary Antibody + Blocking Peptide Primary Antibody Concentration: 1ug/ml Peptide Concentration: 5ug/ml Lysate Quantity: 25ug/lane/Lane Gel Concentration: 0.12



Western Blotting

Image 2. WB Suggested Anti-NPAS4 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human Lung