

Datasheet for ABIN2783496
anti-PTGDS antibody (N-Term)



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3 Images

Overview

Quantity:	100 µL
Target:	PTGDS
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Rabbit, Dog, Horse, Guinea Pig, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTGDS antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PGDS
Sequence:	EQADWPEIKS TLPFGKIPIL EVDGLTLHQS LAIARYLTKN TDLAGNTEME
Predicted Reactivity:	Cow: 92%, Dog: 92%, Guinea Pig: 92%, Horse: 92%, Human: 100%, Mouse: 100%, Rabbit: 92%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against PGDS. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	PTGDS
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Target Details

Alternative Name:	PGDS (PTGDS Products)
Background:	<p>PGDS is a sigma class glutathione-S-transferase family member. The enzyme catalyzes the conversion of PGH2 to PGD2 and plays a role in the production of prostanoids in the immune system and mast cells. The presence of this enzyme can be used to identify the differentiation stage of human megakaryocytes. Prostaglandin-D synthase is a sigma class glutathione-S-transferase family member. The enzyme catalyzes the conversion of PGH2 to PGD2 and plays a role in the production of prostanoids in the immune system and mast cells. The presence of this enzyme can be used to identify the differentiation stage of human megakaryocytes.</p> <p>Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p> <p>Alias Symbols: GSTS, PGD2, PGDS, GSTS1-1</p> <p>Protein Interaction Partner: ABHD17A, ARRDC3, MFI2, HPGDS, HK3,</p> <p>Protein Size: 199</p>
Molecular Weight:	23 kDa
Gene ID:	27306
NCBI Accession:	NM_014485 , NP_055300
UniProt:	O60760

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 199 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.

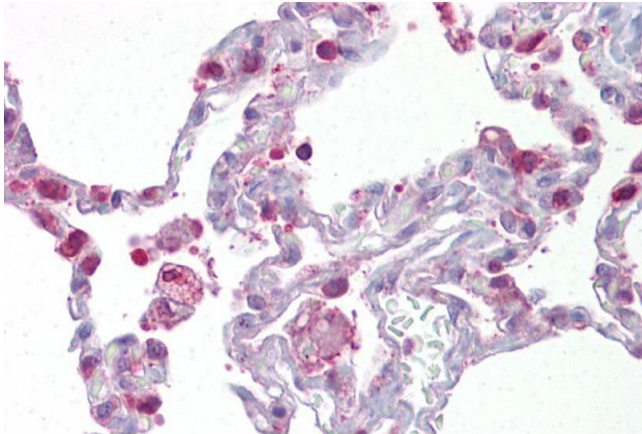
Handling

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

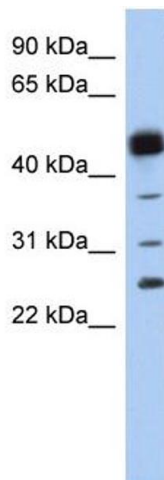
Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. Immunohistochemistry with Lung tissue at an antibody concentration of 5µg/ml using anti-PGDS antibody (ARP48763_P050)



Western Blotting

Image 2. WB Suggested Anti-PGDS Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:12500 Positive Control: Human Spleen



Western Blotting

Image 3. Host: Rabbit Target Name: HPGDS Sample Tissue: Human Ovary Tumor Antibody Dilution: 1ug/ml