

ARG45446 anti-PAFAH1B2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PAFAH1B2
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PAFAH1B2
Species	Human
Immunogen	Recombinant protein containing to human PAFAH1B2.
Conjugation	Un-conjugated
Alternate Names	PAFAH1B2; Platelet Activating Factor Acetylhydrolase 1b Catalytic Subunit 2; Platelet-Activating Factor Acetylhydrolase 1b, Catalytic Subunit 2 (30kDa); Platelet-Activating Factor Acetylhydrolase IB Subunit Alpha2; PAF Acetylhydrolase 30 KDa Subunit; PAF-AH1b Alpha 2 Subunit; PAF-AH 30 KDa Subunit; PAF-AH Subunit Beta; PAFAH Subunit Beta; EC 3.1.1.47 47; Platelet-Activating Factor Acetylhydrolase, Isoform Ib, Beta Subunit 30kDa; Platelet-Activating Factor Acetylhydrolase, Isoform Ib, Subunit 2 (30kDa); Intracellular Platelet-Activating Factor Acetylhydrolase Alpha 2 Subunit; Platelet-Activating Factor Acetylhydrolase IB Subunit Beta; Epididymis Secretory Sperm Binding Protein; Epididymis Secretory Protein Li 303; HEL-S-303; PAFAHB

Application Instructions

Application table	Application	Dilution
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	26 kDa	

Properties

Form	Powder
Purification	Affinity purified
Buffer	0.2% Na2HPO4, 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

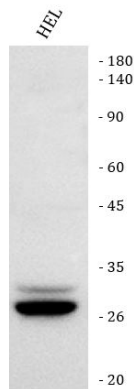
and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

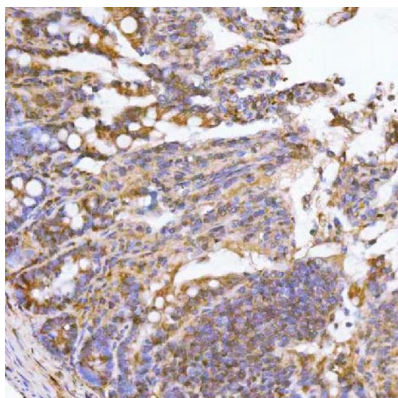
Gene Symbol	PAFAH1B2
Gene Full Name	Platelet Activating Factor Acetylhydrolase 1b Catalytic Subunit 2
Background	Platelet-activating factor acetylhydrolase (PAFAH) inactivates platelet-activating factor (PAF) into acetate and LYSO-PAF. This gene encodes the beta subunit of PAFAH, the other subunits are alpha and gamma. Multiple alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Jan 2014]
Function	Alpha2 catalytic subunit of the cytosolic type I platelet-activating factor (PAF) acetylhydrolase (PAF-AH (I)) heterotetrameric enzyme that catalyzes the hydrolyze of the acetyl group at the sn-2 position of PAF and its analogs and modulates the action of PAF. The activity and substrate specificity of PAF-AH (I) are affected by its subunit composition. The alpha2/alpha2 homodimer (PAFAH1B2/PAFAH1B2 homodimer) hydrolyzes PAF and 1-O-alkyl-2-acetyl-sn-glycero-3-phosphorylethanolamine (AAGPE) more efficiently than 1-O-alkyl-2-acetyl-sn-glycero-3-phosphoric acid (AAGPA). In contrast, the alpha1/alpha2 heterodimer(PAFAH1B3/PAFAH1B3 heterodimer) hydrolyzes AAGPA more efficiently than PAF, but has little hydrolytic activity towards AAGPE. [UniProt]
Calculated Mw	26 kDa
PTM	Acetylation; Phosphoprotein. [UniProt]
Cellular Localization	Cytoplasm. [UniProt]

Images



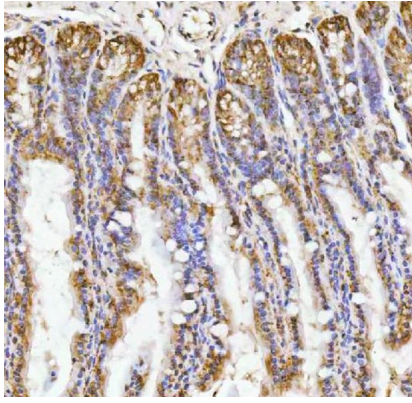
ARG45446 anti-PAFAH1B2 antibody WB image

Western blot: HEL stained with ARG45446 anti-PAFAH1B2 antibody at 0.5 µg/ml dilution.



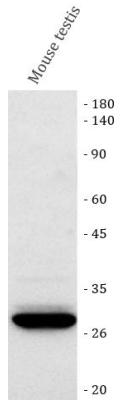
ARG45446 anti-PAFAH1B2 antibody IHC-P image

Immunohistochemistry: Rat colon stained with ARG45446 anti-PAFAH1B2 antibody at 2 µg/ml dilution.



ARG45446 anti-PAFAH1B2 antibody IHC-P image

Immunohistochemistry: Mouse colon stained with ARG45446 anti-PAFAH1B2 antibody at 2 μ g/ml dilution.



ARG45446 anti-PAFAH1B2 antibody WB image

Western blot: Mouse testis stained with ARG45446 anti-PAFAH1B2 antibody at 0.5 μ g/ml dilution.