Datasheet for ABIN651229

anti-Glucose-6-Phosphate Dehydrogenase antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	Glucose-6-Phosphate Dehydrogenase (G6PD)
Binding Specificity:	AA 743-769, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glucose-6-Phosphate Dehydrogenase antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This H6PD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 743-769 amino acids from the C-terminal region of human H6PD.
Clone:	RB24037
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Glucose-6-Phosphate Dehydrogenase (G6PD)
Alternative Name:	H6PD (G6PD Products)
Background:	H6PD is 2 forms of glucose-6-phosphate dehydrogenase. G form is X-linked and H form,

Target Details

	encoded by this gene, is autosomally linked. This H form shows activity with other hexose-6-phosphates, especially galactose-6-phosphate, whereas the G form is specific for glucose-6-phosphate. Both forms are present in most tissues, but H form is not found in red cells.
Molecular Weight:	88893
Gene ID:	9563
NCBI Accession:	NP_004276
UniProt:	O95479
Pathways:	Regulation of Systemic Arterial Blood Pressure by Hormones

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

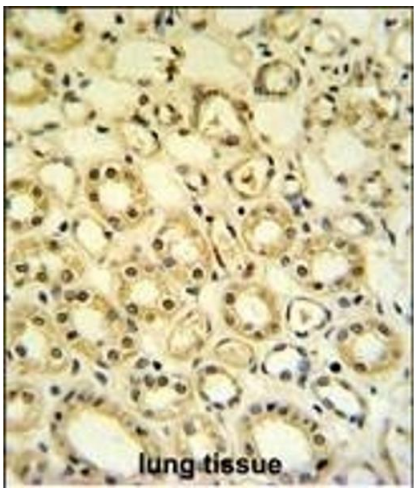
Publications

Product cited in:	Zhang, Song, Wang, Wang, Zeng, Zhai, Ma, Li, Liao, Wang, Zhen, Wang, Cao, Lin, Ning, Liu: " Nasal IL-4(+)CXCR5(+)CD4(+) T follicular helper cell counts correlate with local IgE production in eosinophilic nasal polyps." in: **The Journal of allergy and clinical immunology**, Vol. 137, Issue 2, pp. 462-73, (2016) (PubMed).

Publications

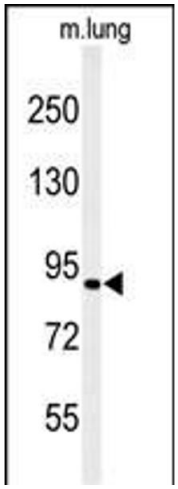
Zhong, Zhou, Wu, Guo, Tan, Zhang, Zhang, Geng, Pan, Luo, Zhang, Xu, Liu, Liu, Gao, Liu, Ren, Li, Zhou, Zhang: "A SnoRNA-derived piRNA interacts with human interleukin-4 pre-mRNA and induces its decay in nuclear exosomes." in: **Nucleic acids research**, Vol. 43, Issue 21, pp. 10474-91, (2015) (PubMed).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. H6PD Antibody (C-term) (ABIN651229 and ABIN2840142) IHC analysis in formalin fixed and paraffin embedded lung tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the H6PD Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of H6PD Antibody (C-term) (ABIN651229 and ABIN2840142) in mouse lung tissue lysates (35 µg/lane).H6PD (arrow) was detected using the purified Pab.