

Datasheet for ABIN453046
anti-LRRC32 antibody (AA 240-269)

2 Images

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Overview

Quantity:	0.4 mL
Target:	LRRC32
Binding Specificity:	AA 240-269
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide between 240~269 amino acids from the Center region of Human GARP Genename: LRRC32
Specificity:	This antibody detects GARP at Center.
Cross-Reactivity (Details):	Species reactivity (tested):Human, Mouse.
Purification:	Prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS

Target Details

Target:	LRRC32
Alternative Name:	LRRC32 / GARP (LRRC32 Products)
Background:	GARP, also known as leucine rich repeat containing 32, is a type I membrane protein with twenty-two leucine-rich repeats and a short intracytoplasmic region. GARP was identified based on the analysis of gene expression profiling of Treg and Th cells following TCR stimulation.

Target Details

Since GARP is expressed in CD4+, CD25+, FoxP3+ cells (Tregs), it may be a candidate for cell surface marker for Treg cells. Synonyms: D11S833E, Garpin, Glycoprotein A repetitions predominant, Leucine-rich repeat-containing protein 32

Molecular Weight: 71979 Da

Gene ID: 2615

NCBI Accession: [NP_001122394](#)

UniProt: [Q14392](#)

Pathways: [Activated T Cell Proliferation](#)

Application Details

Application Notes: Western blot: 1: 50 - 1: 100. ELISA: 1: 1,000. Immunohistochemistry on paraffin sections: 1: 10 - 1: 50.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS, 0.09 % (W/V) Sodium Azide

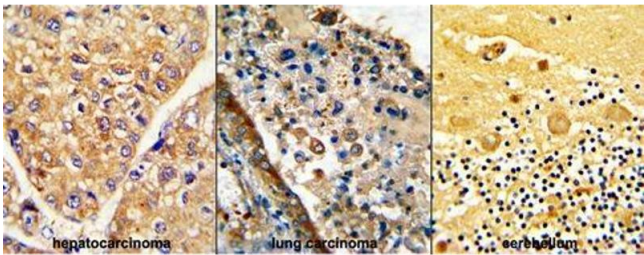
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

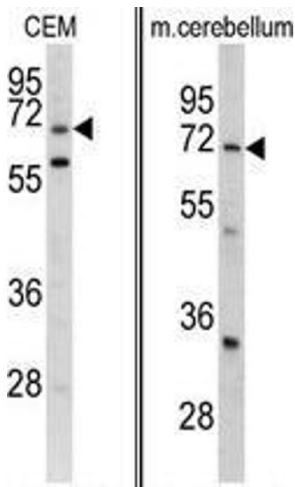
Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded (from Left to Right) human hepatocarcinoma, lung carcinoma and cerebellum reacted with GARP Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of GARP antibody (Center) Cat.-No AP17415PU-N) in CEM cell line (Left) and Mouse cerebellum tissue (Right) lysates (35 µg/lane). GARP (arrow) was detected using the purified Pab.