

Datasheet for ABIN6719632
anti-PEF1 antibody (AA 170-284)



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Overview

Quantity:	100 µg
Target:	PEF1
Binding Specificity:	AA 170-284
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PEF1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-PEF1 Antibody Picoband®
Immunogen:	E.coli-derived human PEF1 recombinant protein (Position: R170-L284).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-PEF1 Antibody Picoband® (ABIN6719632). Tested in ELISA, IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	PEF1
Alternative Name:	PEF1 (PEF1 Products)
Background:	<p>Synonyms: Peflin, PEF protein with a long N-terminal hydrophobic domain, Penta-EF hand domain-containing protein 1, PEF1, ABP32, UNQ1845, PRO3573</p> <p>Tissue Specificity: Pre-B-cells and B-cells but not terminally differentiated plasma cells.</p> <p>Background: Peflin is a protein that in humans is encoded by the PEF1 gene. This gene encodes a calcium-binding protein belonging to the penta-EF-hand protein family. The encoded protein has been shown to form a heterodimer with the programmed cell death 6 gene product and may modulate its function in Ca (2+) signaling. Alternative splicing results in multiple transcript variants and a pseudogene has been identified on chromosome 1.</p>
Molecular Weight:	30 kDa
Gene ID:	553115

Application Details

Application Notes:	<p>Western blot, 0.1-0.5 µg/mL</p> <p>Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL</p> <p>ELISA, 0.1-0.5 µg/mL</p> <p>1. Kitaura Y, Watanabe M, Satoh H, Kawai T, Hitomi K, Maki M (Oct 1999). "Peflin, a novel member of the five-EF-hand-protein family, is similar to the apoptosis-linked gene 2 (ALG-2) protein but possesses nonapeptide repeats in the N-terminal hydrophobic region". Biochem Biophys Res Commun. 263 (1): 68-75. 2. Kitaura Y, Satoh H, Takahashi H, Shibata H, Maki M (Mar 2002). "Both ALG-2 and peflin, penta-EF-hand (PEF) proteins, are stabilized by dimerization through their fifth EF-hand regions". Arch Biochem Biophys. 399 (1): 12-8.</p>
Comment:	<p>Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested. Optimal dilutions should be determined by end users.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg 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:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.