Datasheet for ABIN6719384

anti-EML4 antibody (AA 207-423)

Go to Product page

Overview

Quantity:	100 µg
Target:	EML4
Binding Specificity:	AA 207-423
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EML4 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-EML4 Antibody Picoband®
Immunogen:	E. coli-derived human EML4 recombinant protein (Position: K207-N423).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-EML4 Antibody Picoband® (ABIN6719384). 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:	EML4
Alternative Name:	EML4 (EML4 Products)
Background:	Synonyms: Echinoderm microtubule-associated protein-like 4, EMAP-4, Restrictedly overexpressed proliferation-associated protein, Ropp 120, EML4, C2orf2, EMAPL4 Tissue Specificity: High expression in adult thyroid, lower expression in adult and fetal kidney and fetal brain. Not expressed in other tissues. Background: Echinoderm microtubule-associated protein-like 4 is a protein that in humans is encoded by the EML4gene. This gene is a member of the echinoderm microtubule associated protein-like family, and it mapped to 2p21. The encoded WD-repeat protein may be involved in microtubule formation. Abnormal fusion of parts of this gene with portions of the anaplastic lymphoma receptor tyrosine kinase gene, which generates EML4-ALK fusion transcripts, is one of the primary mutations associated with non-small cell lung cancer. Alternative splicing of this gene results in two transcript variants.
Molecular Weight:	120 kDa
Gene ID:	27436

Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL ELISA, 0.1-0.5 µg/mL 1. Heidebrecht, H. J., Buck, F., Pollmann, M., Siebert, R., Parwaresch, R. Cloning and localization of C2orf2-ropp120, a previously unknown WD repeat protein. Genomics 68: 348-350, 2000. 2. Maddalo, D., Manchado, E., Concepcion, C. P., Bonetti, C., Vidigal, J. A., Han, Y.-C., Ogrodowski, P., Crippa, A., Rekhtman, N., de Stanchina, E., Lowe, S. W., Ventura, A. In vivo engineering of oncogenic chromosomal rearrangements with the CRISPR/Cas9 system.Nature 516: 423-427, 2014. Note: Erratum: Nature 524: 502 only, 2015.
Comment:	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.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na_2HPO_4, 0.05 mg NaN_3.
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.