

Anti-NIT2 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 30 kDa. Actual: 32 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. Tissue/cell: Mouse embryos; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-BCAS3 Polyclonal Antibody, Unconjugated (TMAB-09491) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining</p> <p>2. Paraformaldehyde-fixed, paraffin embedded (rat liver tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (NIT2) Polyclonal Antibody, Unconjugated (TMAB-09491) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.</p> <p>3. Sample: A431 (Human) Cell Lysate at 30 µg Primary: Anti-NIT2 (TMAB-09491) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 30 kD Observed band size: 32 kD</p>
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human NIT2
Antigen Species:	Human
Gene ID:	56954
Uniprot ID:	Q9NQR4

Research Background

[FUNCTION] Has a omega-amidase activity. The role of omega-amidase is to remove potentially toxic intermediates by converting alpha-ketoglutaramate and alpha-ketosuccinamate to biologically useful alpha-ketoglutarate and oxaloacetate, respectively. Overexpression decreases the colony-forming capacity of cultured cells by arresting cells

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in the G2 phase of the cell cycle. [SUBUNIT] Homodimer. [SUBCELLULAR LOCATION] Cytoplasm. [TISSUE SPECIFICITY] Detected in fetal brain (at protein level). Ubiquitous. Detected in heart, brain, placenta, lung, liver, skeletal muscle, kidney, pancreas, prostate, spleen, thymus, prostate, testis, ovary, small intestine and colon. [SIMILARITY] Belongs to the UPF0012 family.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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