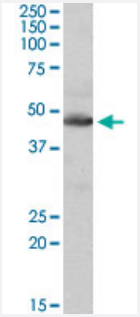
IDH2 polyclonal antibody

Catalog # PAB18955 Size 100 ug

Applications



Western Blot (Tissue lysate)

IDH2 polyclonal antibody (Cat # PAB18955, 0.1 ug/mL) staining of human heart lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of IDH2.
Immunogen	A synthetic peptide corresponding to amino acids at internal region of human IDH2.
Sequence	CIHGLSNVKLNE
Host	Goat
Theoretical MW (kDa)	48
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:16000) Western Blot (0.1-0.3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 0.5 mg/mL in Tris saline, pH7.3 (0.5% BSA, 0.02% sodium azide)

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Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Tissue lysate)

  IDH2 polyclonal antibody (Cat # PAB18955, 0.1 ug/mL) staining of human heart lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Gene Info — IDH2

Entrez GeneID	3418
Protein Accession#	NP_002159.2
Gene Name	IDH2
Gene Alias	ICD-M, IDH, IDHM, IDP, IDPM, mNADP-IDH
Gene Description	isocitrate dehydrogenase 2 (NADP+), mitochondrial
Omim ID	147650
Gene Ontology	Hyperlink
Gene Summary	Isocitrate dehydrogenases catalyze the oxidative decarboxylation of isocitrate to 2-oxoglutarate. T hese enzymes belong to two distinct subclasses, one of which utilizes NAD(+) as the electron acc eptor and the other NADP(+). Five isocitrate dehydrogenases have been reported: three NAD(+)- dependent isocitrate dehydrogenases, which localize to the mitochondrial matrix, and two NADP(+)-dependent isocitrate dehydrogenases, one of which is mitochondrial and the other predominan tly cytosolic. Each NADP(+)-dependent isozyme is a homodimer. The protein encoded by this ge ne is the NADP(+)-dependent isocitrate dehydrogenase found in the mitochondria. It plays a role i n intermediary metabolism and energy production. This protein may tightly associate or interact wi th the pyruvate dehydrogenase complex. [provided by RefSeq
Other Designations	NADP+-specific ICDH|isocitrate dehydrogenase, mitochondrial|oxalosuccinate decarboxylase

Pathway

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- Biosynthesis of alkaloids derived from histidine and purine
- Biosynthesis of alkaloids derived from ornithine
- Biosynthesis of alkaloids derived from shikimate pathway
- Biosynthesis of alkaloids derived from terpenoid and polyketide
- Biosynthesis of phenylpropanoids
- Biosynthesis of plant hormones
- Biosynthesis of terpenoids and steroids
- Citrate cycle (TCA cycle)
- Glutathione metabolism
- Metabolic pathways
- Reductive carboxylate cycle (CO2 fixation)

Disease

- Astrocytoma
- Blast Crisis
- Brain Neoplasms
- Chronic Disease
- Disease Progression
- Glioma
- Hematologic Diseases
- Leukemia
- Lung Neoplasms
- Melanoma
- Myelodysplastic Syndromes
- Myeloproliferative Disorders
- Neoplasm Metastasis

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- Oligodendroglioma
- Polycythemia Vera
- Primary Myelofibrosis
- Recurrence
- Skin Neoplasms
- Thrombocythemia

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