

Rabbit DYRK3 Polyclonal Antibody | anti-DYRK3 antibody

DYRK3 Polyclonal Antibody

CATALOG # AAA268295	HOST Rabbit	REACTIVITY Human; Mouse; Rat	APPLICATIONS ELISA, Western Blot
-------------------------------	-----------------------	--	--

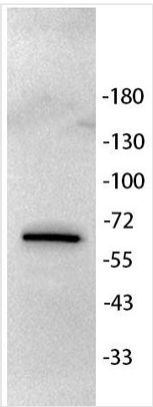
PRODUCT SYNONYMS

DYRK3; Polyclonal Antibody; DYRK3 Polyclonal Antibody; Dual specificity tyrosine-phosphorylation-regulated kinase 3; EC 2.7.12.1; Regulatory erythroid kinase; REDK; anti-DYRK3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human; Mouse; Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	DYRK3 Polyclonal Antibody detects endogenous levels of protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Concentration	1 mg/ml (varies by lot)
Applicable Applications for anti-DYRK3 antibody	ELISA, WB (Western Blot)
Immunogen	Synthesized peptide derived from human protein at AA range: 1-80.
Subcellular Location	Nucleus . Cytoplasm . Nucleus speckle . Cytoplasmic granule . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Associates with membraneless organelles in the cytoplasm and nucleus (PubMed: 29973724). Shuttles between cytoplasm and stress granules (PubMed: 20167603). Localized predominantly on distinct speckles distributed throughout the cytoplasm of the cell (PubMed :20167603). At low concentration, shows a homogeneous distribution throughout the cytoplasm and does not condense in speckles. During oxidative and osmotic stress, localizes to stress granules (PubMed: 20167603).
Expression	Isoform 1: Highly expressed in testis and in hematopoietic tissue such as fetal liver, and bone marrow (PubMed:10779429). Isoform 1: Predominant form in fetal liver and bone marrow (PubMed:10779429). Isoform 1: Present at low levels in heart, pancreas, lymph node and thymus (PubMed:10779429). Isoform 2: Highly expressed in testis and in hematopoietic tissue such as fetal liver, and bone marrow (PubMed:10779429). Isoform 2: Predominant form in testis. Isoform 2: Present at low levels in heart, pancreas, lymph node and thymus (PubMed:10779429).
Preparation and Storage	-15°C to -25°C/1 year(Do not lower than -25°C)

IMAGES



WB (Western Blot)
Western Blot analysis of DYRK3 in HTERT-HME1 cells lysates using DYRK3 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-DYRK3 antibody	This gene product belongs to the DYRK family of dual-specificity protein kinases that catalyze autophosphorylation on serine/threonine and tyrosine residues. The members of this family share structural similarity, however, differ in their substrate specificity, suggesting their involvement in different cellular functions. The encoded protein has been shown to autophosphorylate on tyrosine residue and catalyze phosphorylation of histones H3 and H2B in vitro. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008], Function:catalytic activity:ATP + a protein = ADP + a phosphoprotein., cofactor: Magnesium., function: Negative regulator of EPO-dependent erythropoiesis, may place an upper limit on red cell production during stress erythropoiesis. Inhibits cell death due to cytokine withdrawal in hematopoietic progenitor cells. May act by regulating CREB/CRE signaling.,induction:By erythropoietin.,PTM:Autophosphorylated on tyrosine residues.,similarity:Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. MNB/DYRK subfamily.,similarity:Contains 1 protein kinase domain.,tissue specificity:Highly expressed in testis where isoform 2 is the predominant form and in hematopoietic tissue such as fetal liver, and bone marrow where isoform 1 predominates. Both isoforms are present at low levels in heart, pancreas, lymph node, and thymus.,
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	51702242
NCBI GeneID	8444
NCBI Accession #	NP_001004023.1
NCBI GenBank Nucleotide #	NM_001004023.1
UniProt Accession #	O43781; Q7Z752; Q9HBY6; Q9HBY7; D3DT79
Molecular Weight	64kD
NCBI Official Full Name	dual specificity tyrosine-phosphorylation-regulated kinase 3 isoform b
NCBI Official Synonym Full Names	dual specificity tyrosine phosphorylation regulated kinase 3
NCBI Official Symbol	DYRK3
NCBI Official Synonym Symbols	RED; REDK; DYRK5; hYAK3-2
NCBI Protein Information	dual specificity tyrosine-phosphorylation-regulated kinase 3
UniProt Protein Name	Dual specificity tyrosine-phosphorylation-regulated kinase 3
UniProt Gene Name	DYRK3
UniProt Synonym Gene Names	REDK

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/dyrk3-antibody-western-blot-elisa/268295>