

Rabbit anti-Human DYRK2 Polyclonal Antibody | anti-DYRK2 antibody

DYRK2 Polyclonal Antibody

CATALOG # AAA308946	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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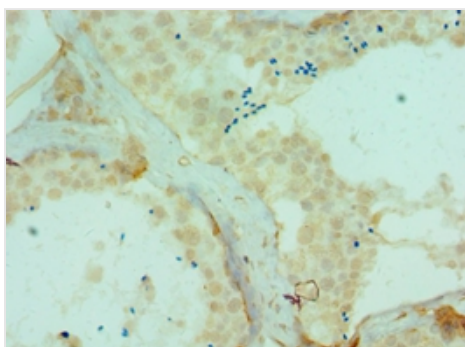
PRODUCT SYNONYMS

DYRK2; Polyclonal Antibody; DYRK2 Polyclonal Antibody; anti-DYRK2 antibody

PRODUCT SPECIFICATIONS

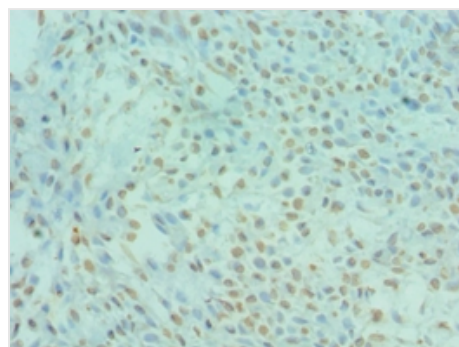
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total DYRK2 polyclonal antibody.
Purity/Purification	Antigen Affinity Purified
Form/Format	PBS with 0.02% Sodium Azide, 50% Glycerol, pH7.3.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	528
Applicable Applications for anti-DYRK2 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant Human Dual specificity tyrosine-phosphorylation-regulated kinase 2 protein (502-601aa)
Immunogen Type	Protein
Preparation and Storage	Store at -20 degree C

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human testicle using at dilution of 1:100.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human colon cancer using at dilution of 1:100.

ADDITIONAL INFORMATION

Related Product Information for anti-DYRK2 antibody	Serine/threonine-protein kinase involved in the regulation of the mitotic cell cycle, cell proliferation, apoptosis, organization of the cytoskeleton and neurite outgrowth. Functions in part via its role in ubiquitin-dependent proteasomal protein degradation. Functions downstream of ATM and phosphorylates p53/TP53 at 'Ser-46', and thereby contributes to the induction of apoptosis in response to DNA damage. Phosphorylates NFATC1, and thereby inhibits its accumulation in the nucleus and its transcription factor activity.Phosphorylates EIF2B5 at 'Ser-544', enabling its subsequent phosphorylation and inhibition by GSK3B. Likewise, phosphorylation of NFATC1, CRMP2/DPYSL2 and CRMP4/DPYSL3 promotes their subsequent phosphorylation by GSK3B. May play a general role in the priming of GSK3 substrates.Inactivates GYS1 by phosphorylation at 'Ser-641', and potentially also a second phosphorylation site, thus regulating glycogen synthesis. Mediates EDVP E3 ligase complex formation and is required for the phosphorylation and subsequent degradation of KATNA1. Phosphorylates TERT at 'Ser-457', promoting TERT ubiquitination by the EDVP complex.Phosphorylates SIAH2, and thereby increases its ubiquitin ligase activity.Promotes the proteasomal degradation of MYC and JUN, and thereby regulates progress through the mitotic cell cycle and cell proliferation. Promotes proteasomal degradation of GLI2 and GLI3, and thereby plays a role in smoothened and sonic hedgehog signaling. Plays a role in cytoskeleton organization and neurite outgrowth via its phosphorylation of DCX and DPYSL2. Phosphorylates CRMP2/DPYSL2, CRMP4/DPYSL3, DCX, EIF2B5, EIF4EBP1, GLI2, GLI3, GYS1, JUN, MDM2, MYC, NFATC1, p53/TP53, TAU/MAPT and KATNA1. Can phosphorylate histone H1, histone H3 and histone H2B (in vitro). Can phosphorylate CARHSP1 (in vitro).
Product Categories/Family for anti-DYRK2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503427
NCBI GeneID	8445
NCBI Accession #	NP_003574.1
NCBI GenBank Nucleotide #	NM_003583.3
UniProt Accession #	Q92630; Q9BRB5; B2R9V9
Molecular Weight	59,715 Da
NCBI Official Full Name	dual specificity tyrosine-phosphorylation-regulated kinase 2 isoform 1
NCBI Official Synonym Full Names	dual specificity tyrosine phosphorylation regulated kinase 2
NCBI Official Symbol	DYRK2
NCBI Protein Information	dual specificity tyrosine-phosphorylation-regulated kinase 2
UniProt Protein Name	Dual specificity tyrosine-phosphorylation-regulated kinase 2
UniProt Gene Name	DYRK2
UniProt Entry Name	DYRK2_HUMAN

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/dyrk2-antibody-immunohistochemistry-elisa/308946>