Datasheet for ABIN2779364

anti-DYRK3 antibody (N-Term)

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Overview

Quantity:	100 µL
Target:	DYRK3
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DYRK3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human DYRK3
Sequence:	GDHTQHFLDG GEMKVEQLFQ EFGNRKSNTI QSDGISDSEK CSPTVSQGKS
Predicted Reactivity:	Human: 100%, Mouse: 86%
Characteristics:	This is a rabbit polyclonal antibody against DYRK3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	DYRK3
Alternative Name:	DYRK3 (DYRK3 Products)

Target Details

Background:	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. Alias Symbols: DYRK5, RED, REDK, hYAK3-2 Protein Interaction Partner: DYRK3, SORL1, FBXO25, PRNP, NEDD4L, Protein Size: 588
Molecular Weight:	66 kDa
Gene ID:	8444
NCBI Accession:	NM_003582, NP_003573
UniProt:	O43781
Pathways:	Negative Regulation of Hormone Secretion, Regulation of Lipid Metabolism by PPARalpha

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 588 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C

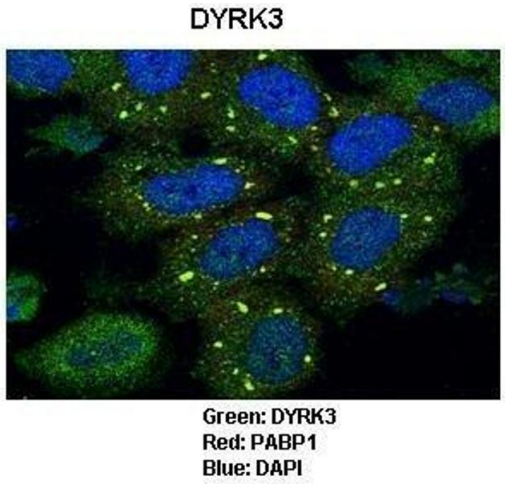
Handling

Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

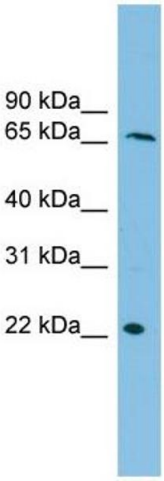
Product cited in:	Lind, Svedin, Domsgen, Kapell, Laitinen, Moll, Flodström-Tullberg: "Coxsackievirus counters the host innate immune response by blocking type III interferon expression." in: **The Journal of general virology**, Vol. 97, Issue 6, pp. 1-12, (2016) (PubMed). Schulte, Liu, Panas, Thaa, Dickson, Götte, Achour, McInerney: "Combined structural, biochemical and cellular evidence demonstrates that both FGDF motifs in alphavirus nsP3 are required for efficient replication." in: **Open biology**, Vol. 6, Issue 7, (2016) (PubMed).

Images



Immunofluorescence

Image 1. Sample Type : HeLa cells Primary Antibody Dilution : 1:50 Secondary Antibody : Gaot anti-rabbit-Alexa Fluor Secondary Antibody Dilution : 1:250 Color/Signal Descriptions : Green: DYRK3 Red: PABP1 Blue: DAPI Gene Name : DYRK3 Submitted by : Frank Wippich, Institute of Molecular Life Sciences, University of Zurich



Western Blotting

Image 2. WB Suggested Anti-DYRK3 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: THP-1 cell lysate