Human/Mouse/Rat DYRK3 Alexa Fluor® 488-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF5409G
100 µg

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects endogenous human, mouse and rat DYRK3 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human DYRK3 Asn52-Glu167 Accession # O43781
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

DYRK3 (Dual-specificity tyrosine [Y] phosphorylation regulated kinase 3; also REDK) is a member of the MNB/DYRK subfamily, CMGC Ser/Thr protein kinase family of enzymes. DYRK3 is expressed in testis, erythroid-lineage precursors and other tissues, and shows dual substrate specificity. Autophosphorylation on Tyr369 leads to self-activation, while target proteins are Ser/Thr phosphorylated. Targets include CREB and histone 2B. Human DYRK3 is 588 amino acids (aa) in length, and contains one kinase catalytic domain (aa 209-522). There are two potential isoform variants that show either a six aa substitution for aa 1-26, or this same substitution in combination with a premature truncation after Gln263.

PRODUCT SPECIFIC NOTICES

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