Human LYAR Alexa Fluor® 750-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF6748S
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human LYAR in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human LYAR Lys288-Lys379 Accession # Q9NX58
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 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.
Immunocytochemistry	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

LYAR (Ly-1/CD5 antibody reactive clone) is a 45-50 kDa nucleolar protein that was named for the ability of its antibody to cross-react with Ly-1. Its function is unclear; it is known to associate with MYCN and RRP1B, the latter association giving rise to the suggestion that LYAR is involved with RNA metabolism. Human LYAR is 379 amino acids (aa) in length. It contains two C2H2-type Zn finger regions (aa 6-25 and 33-51) followed by one coiled-coil region (aa 175-219) and an NLS (aa 217-222). There are multiple Zn-binding sites and three utilized phosphorylation sites at Ser244, Ser258 and Ser276. Over aa 288-379, human LYAR shares 75% aa identity with mouse LYAR.

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