

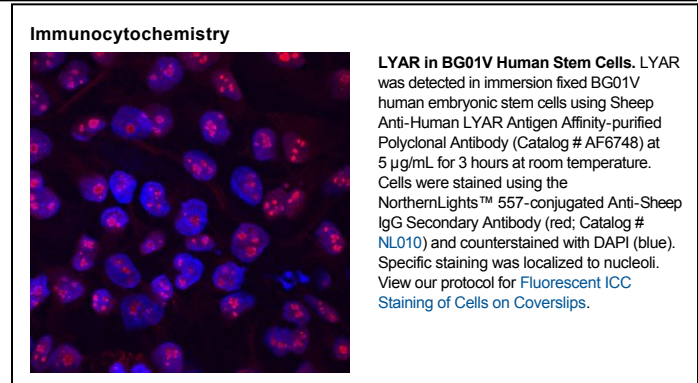
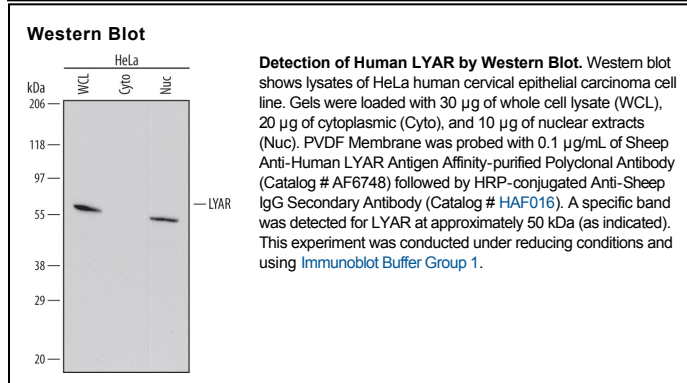
DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human LYAR in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human LYAR Lys288-Lys379 Accession # Q9NX58
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	See Below
Immunocytochemistry	5-15 µg/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.2 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.