

Human NOMO Antibody

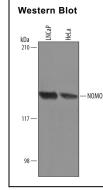
Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF3755

DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects human NOMO in direct ELISAs and Western blots.	
Source	Polyclonal Goat IgG	
Purification	Antigen Affinity-purified	
Immunogen	Mouse myeloma cell line NS0-derived recombinant human NOMO Ser32- Asp1155 Accession # Q15155	
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 either lyophilized or 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	1 μg/mL	See Below



Detection of Human NOMO by Western Blot. Western blot shows lysates of LNCaP human prostate cancer cell line and HeLa human cervical epithelial carcinoma cell line. PVDF Membrane was probed with 1 µg/mL of Goat Anti-Human NOMO Antigen Affinity-purified Polyclonal Antibody (Catalog # AF3755) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF019). A specific band was detected for NOMO at approximately 130 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 8.

PREPARATION AND STORAGE		
Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.	
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.	
	 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

NOMO, also known as pM5, is a 130 kDa type I membrane protein with no recognizable functional motif. It is a binding partner of Nicalin, a nicastin-related protein. The Nicalin/NOMO complex is localized in the ER and functions as an antagonist for Nodal and Activin signaling. Three copies of the NOMO gene, encoding NOMO isoforms 1, 2 and 3 have been described. The extracellular domains (ECD) of the isoforms share 99% amino acid sequence homology. The ECD of human and mouse NOMO also share 94% amino acid sequence homology

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