

Rabbit anti-Human LYPD3 Monoclonal Antibody | anti-LYPD3 antibody

Recombinant Anti-LYPD3 Antibody, Rabbit Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255472	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

LYPD3; Monoclonal Antibody; Recombinant Anti-LYPD3 Antibody; Rabbit Monoclonal; C4.4A/LYPD3 Antibody; Rabbit MAb; LY6/PLAUR domain containing 3; Anti-C4.4A Antibody; anti-LYPD3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	213
Specificity	Human C4.4A/LYPD3
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-LYPD3 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human C4.4A/LYPD3 protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human C4.4A/LYPD3 (rh C4.4A/LYPD3).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-LYPD3 rabbit monoclonal antibody at 1:500 dilution. Lane A: Hela Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 36 kDa. Observed band size: 36 kDa.



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of Human LYPD3 expression on PC-3 cells. Cells were stained with purified anti-Human LYPD3, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



IF (Immunofluorescence)

Immunofluorescence staining of Human LYPD3 in PC3 cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-Human LYPD3 monoclonal antibody (1:60) at 37 degree C 1 hour. Then cells were stained with the Alexa Fluor 594-conjugated goat Anti-rabbit IgG secondary antibody (red) and counterstained with DAPI (blue). Positive staining was localized to cells membrane.

ADDITIONAL INFORMATION

Related Product Information for anti-LYPD3 antibody	Ly6/PLAUR domain-containing protein 3, also known as GPI-anchored metastasis-associated protein C4.4A homolog, Matrigel-induced gene C4 protein, MIG-C4, and LYPD3, is a cell membrane protein that contains two UPAR/Ly6 domains. Human LYPD3 contains two UPAR/Ly6 domains. LYPD3 is expressed in the placenta, skin, and urothelium. It is found in suprabasal keratinocytes of chronic wounds. Weak expression of LYPD3 is found in the esophagus and peripheral blood mononuclear cells. It is found in the majority of primary and metastatic transitional cell carcinomas (TCCs) and as well in breast cancer tissues, but not in adjacent normal tissues. High expression of LYPD3 is found in the tumor component of some noninvasive superficial lesions and invasive and metastatic urothelial cancers. LYPD3 is up-regulated in migrating keratinocytes during epithelisation of incisional skin wounds. LYPD3 supports cell migration. It may be involved in urothelial cell-matrix interactions. It may also be involved in tumor progression
References	Smith B.A., et al., 2001, Cancer Res. 61:1678-85. Wuerfel J., et al., 2001, Gene 262:35-41. Clark H.F., et al., 2003, Genome Res. 13:2265-70. Fletcher G.C., et al., 2003, Br. J. Cancer 88:579-85. Hansen L.V., et al., 2004, Biochem. Eng. J. 380:845-57.

NCBI AND UNIPROT INFORMATION

NCBI GI #	93004088
NCBI GeneID	27076
NCBI Accession #	NP_055215.2
NCBI GenBank Nucleotide #	NM_014400.2
UniProt Accession #	O95274; Q9UJ74
Molecular Weight	35,971 Da
NCBI Official Full Name	ly6/PLAUR domain-containing protein 3
NCBI Official Synonym Full Names	LY6/PLAUR domain containing 3
NCBI Official Symbol	LYPD3
NCBI Official Synonym Symbols	C4.4A
NCBI Protein Information	ly6/PLAUR domain-containing protein 3; MIG-C4; 2310061G07Rik; matrigel-induced gene C4 protein; GPI-anchored metastasis-associated protein homolog; GPI-anchored metastasis-associated protein C4.4A homolog
UniProt Protein Name	Ly6/PLAUR domain-containing protein 3
UniProt Gene Name	LYPD3
UniProt Synonym Gene Names	C4.4A; MIG-C4
UniProt Entry Name	LYPD3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.