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Datasheet for ABIN2854760

anti-PLAUR antibody

3 Images

Overview

Quantity:	100 µL
Target:	PLAUR
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLAUR antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human uPAR. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to uPAR (plasminogen activator, urokinase receptor) uPAR antibody
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

Target Details

Target:	PLAUR
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Target Details

Alternative Name: plasminogen activator, urokinase receptor ([PLAUR Products](#))

Background: This gene encodes the receptor for urokinase plasminogen activator and, given its role in localizing and promoting plasmin formation, likely influences many normal and pathological processes related to cell-surface plasminogen activation and localized degradation of the extracellular matrix. It binds both the proprotein and mature forms of urokinase plasminogen activator and permits the activation of the receptor-bound pro-enzyme by plasmin. The protein lacks transmembrane or cytoplasmic domains and may be anchored to the plasma membrane by a glycosyl-phosphatidylinositol (GPI) moiety following cleavage of the nascent polypeptide near its carboxy-terminus. However, a soluble protein is also produced in some cell types. Alternative splicing results in multiple transcript variants encoding different isoforms. The proprotein experiences several post-translational cleavage reactions that have not yet been fully defined.

Cellular Localization: Isoform 1: Cell membrane, Lipid-anchor , GPI-anchor , Isoform 2: Secreted

Molecular Weight: 37 kDa

Gene ID: 5329

UniProt: [Q03405](#)

Pathways: [Inositol Metabolic Process](#)

Application Details

Application Notes: WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: U87-MG , HeLa
Validation: Comparison, KO/KD

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.34 mg/mL

Buffer: 1XPBS (pH 7), 1 % BSA, 20 % Glycerol, 0.025 % ProClin 300

Preservative: ProClin

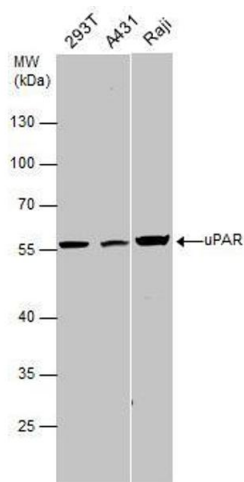
Handling

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

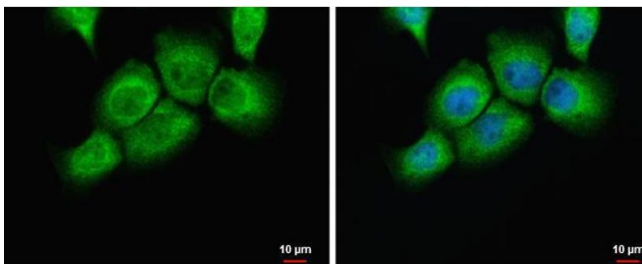
Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



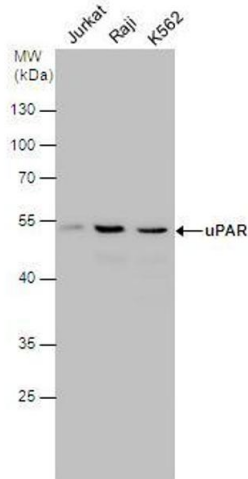
Western Blotting

Image 1. WB Image uPAR antibody detects uPAR protein by western blot analysis. Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with uPAR antibody, diluted at 1:1000.



Immunofluorescence

Image 2. ICC/IF Image uPAR antibody detects uPAR protein at cytoplasm by immunofluorescent analysis. Sample: A431 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: uPAR protein stained by uPAR antibody, diluted at 1:500. Blue: Hoechst 33342 staining.



Western Blotting

Image 3. WB Image uPAR antibody detects uPAR protein by western blot analysis. Various whole cell extracts (30 μ g) were separated by 10% SDS-PAGE, and the membrane was blotted with uPAR antibody , diluted at 1:1000.