Datasheet for ABIN6138228

anti-CD74 antibody (AA 73-232)

5 Images

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Overview

Quantity:	100 µL
Target:	CD74
Binding Specificity:	AA 73-232
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD74 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 73-232 of human CD74 (NP_004346.1).
Sequence:	QQQGRLDKLT VTSQNLQLEN LRMKLPKPPK PVSKMRMATP LLMQALPMGA LPQGPMQNAT KYGNMTEDHV MHLLQNADPL KVYPPLKGSF PENLRHLKNT METIDWKVFE SWMHHWLLFE MSRHSLEQKP TDAPPKESLE LEDPSSGLGV TKQDLGPVPM
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

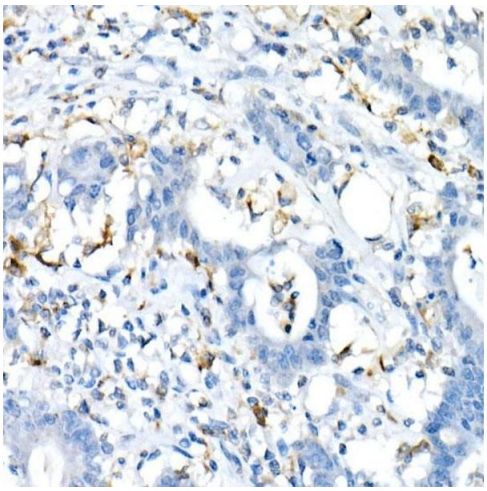
Target:	CD74
Alternative Name:	CD74 (CD74 Products)
Background:	The protein encoded by this gene associates with class II major histocompatibility complex (MHC) and is an important chaperone that regulates antigen presentation for immune response. It also serves as cell surface receptor for the cytokine macrophage migration inhibitory factor (MIF) which, when bound to the encoded protein, initiates survival pathways and cell proliferation. This protein also interacts with amyloid precursor protein (APP) and suppresses the production of amyloid beta (Abeta). Multiple alternatively spliced transcript variants encoding different isoforms have been identified.,CD74,DHLAG,HLADG,II,Ia-GAMMA,Cell Biology & Developmental Biology,Apoptosis,Immunology & Inflammation,CD markers,CD74
Molecular Weight:	18 kDa/26 kDa/33 kDa
Gene ID:	972
UniProt:	P04233
Pathways:	Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response, Negative Regulation of intrinsic apoptotic Signaling, Cancer Immune Checkpoints

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

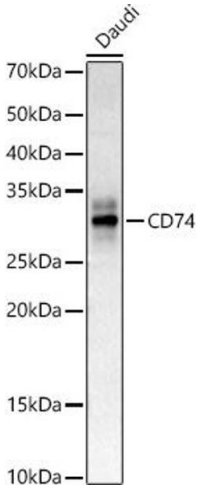
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



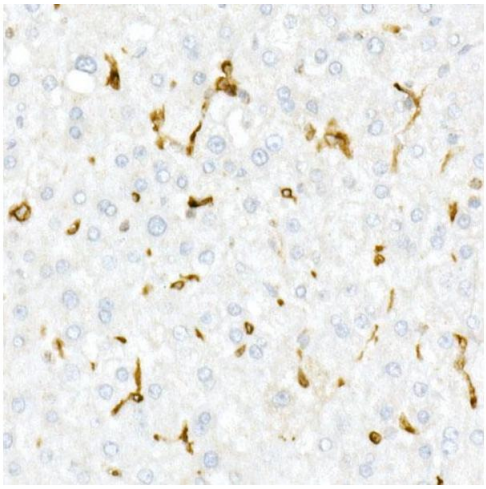
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded Human colon carcinoma using CD74 antibody (ABIN6128421, ABIN6138228, ABIN6138230 and ABIN6221316) at dilution of 1:25 (40x lens).Perform high pressure antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of Daudi cells, using CD74 antibody (ABIN6128421, ABIN6138228, ABIN6138230 and ABIN6221316) at 1:400 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 20s.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded Human liver using CD74 antibody (ABIN6128421, ABIN6138228, ABIN6138230 and ABIN6221316) at dilution of 1:25 (40x lens).Perform high pressure antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Please check the product details page for more images. Overall 5 images are available for ABIN6138228.