Anti-CD44 antibody

Cat. No.	ml122619
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-CD44 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Fusion protein of human CD44
Reactivity	Human, Mouse
Content	0.4 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	CD44
Full name	CD44 molecule (Indian blood group)
Synonyms	IN; LHR; MC56; MDU2; MDU3; MIC4; Pgp1; CDW44; CSPG8; HCELL; HUTCH-I; ECMR-III
Swissprot	P16070

Target Background

The protein encoded by this gene is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. It is a receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). This protein participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis. Transcripts for this gene undergo complex alternative splicing that results in many functionally distinct isoforms, however, the full length nature of some of these variants has not been determined.
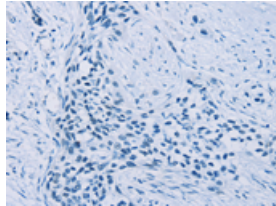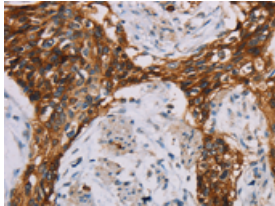
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human esophagus cancer

Recommended dilution: 50-200

Predicted cell location: Cytoplasm

Positive control: Human breast cancer
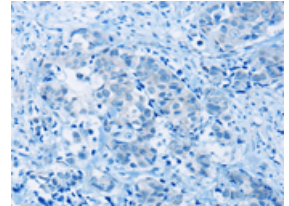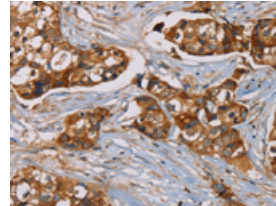
Recommended dilution: 50-200

The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using ml122619(CD44 Antibody) at dilution 1/35, on the right is treated with fusion protein. (Original magnification: ×200)

The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using ml122619(CD44 Antibody) at dilution 1/35, on the right is treated with fusion protein. (Original magnification: ×200)

Western blotting

Predicted band size:82 kDa

Positive control:Hela and huvec cells, mouse thymus tissue, Raji, PC3 and A549 cells
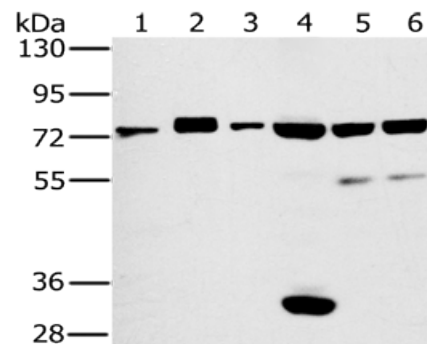
Recommended dilution: 1000-5000

Gel: 6%SDS-PAGE

Lysate: 40 µg

Lane 1-6: Hela cells, huvec cells, mouse thymus tissue, Raji, PC3 cells, A549 cells

Primary antibody: ml122619(CD44 Antibody) at dilution 1/800

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 1 minute

ELISA

Recommended dilution: 5000-10000

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