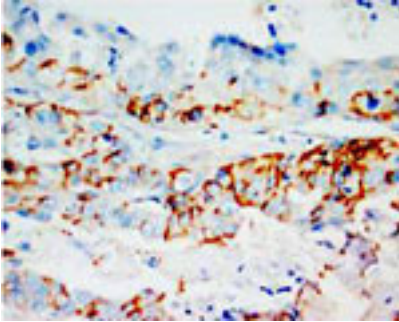


Rabbit polyclonal antibody to CD44 (726-740): Affinity purified

Catalogue No.:	R-1024-100
Description:	THIS PRODUCT HAS BEEN SUPERCEDED. PLEASE REFER TO THE "REPLACED BY" FIELD BELOW TO LOCATE THE CURRENT BIOSENSIS PRODUCT TO MEET YOUR RESEARCH NEEDS. CD44 is a single-pass type 1 membrane glycoprotein. CD44 acts as a receptor for hyaluronic acid (HA). Adhesion with HA plays an important role in areas such as tumor growth and progression, lymphocyte activation, recirculation and in hematopoiesis. Activated microglia and astrocytes also express CD44 in their membranes. CD44 also interacts with collagen, laminin and fibronectin. At least 17 isoforms of CD44 have been identified arising from alternate splicing.
Replaced by:	R-1721-100
Batch No.:	See product label
Unit size:	100 µg
Antigen:	A synthetic peptide (TADETRNLQNVDMMKI) corresponding to a region (726-740) from the C-terminus of human CD44.
Other Names:	Phagocytic Glycoprotein I; PGP-I; PGP-1; HUTCH-I; ECMR-III; Hyaluronate receptor; Epican; Extracellular matrix receptor III;
Accession:	P16070 CD44_HUMAN;
Produced in:	Rabbit
Purity:	Affinity purified on antigen column
Applications:	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 1.0 µg/ml is recommended for WB. Human CD44 (isoform #1) has a predicted length of 742 residues and a MW of 82 kDa. A concentration of 1.0 - 2.0µg/ml is recommended to detect CD44 in formalin fixed and paraffin embedded tissues. Heat mediated antigen retrieval is required. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
Cross-reactivity:	Human; rat; predicted to react with mouse;
Form:	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃
Reconstitution:	Reconstitute in 100 µl of sterile distilled water to achieve an antibody concentration of 1 mg/ml. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2 - 4°C (lyophilized formulations). After reconstitution, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles.
Expiry Date:	12 months after purchase
References:	Matsumoto T. et al. CD44 expression in astrocytes and microglia is associated with ALS progression in a mouse model. <i>Neurosci Lett.</i> 2012 Jun 27;520(1):115-20.

FOR RESEARCH USE ONLY

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Immunohistochemical staining of paraffin-embedded human mammary cancer sections using CD44 antibody (R-1024-100) at a concentration of 0.5-1.0 $\mu\text{g/ml}$. Secondary detection with biotinylated goat anti-rabbit IgG (10 $\mu\text{g/ml}$).

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