

Datasheet for ABIN5662645
anti-Nidogen 1 antibody



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Overview

Quantity:	0.1 mg
Target:	Nidogen 1 (NID1)
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	ELM1 is a rat monoclonal IgG2a antibody derived by fusion of X63 Ag 8.653 mouse myeloma cells with spleen cells from a Fisher rat immunized with a partially purified preparation of laminin from the EHS mouse tumor.
Clone:	ELM1
Isotype:	IgG2a
Specificity:	Mouse.
Purification:	Prepared from rabbit serum by affinity purification using a column to which the peptide immunogen was coupled.

Target Details

Target:	Nidogen 1 (NID1)
Alternative Name:	Entactin / Nidogen (NID1 Products)

Target Details

Background: Basement membrane components play an important role in cell adhesion, locomotion, differentiation and embryonic compartmentalization. Although the precise composition and structure of basal laminae varies from tissue to tissue, as well as within the same tissue at different developmental stages, most mature basal laminae contain type IV collagen, laminins, heparan sulphate proteoglycans and entactin (or nidogen). Entactin is a sulphated glycoprotein of approximately 150 kD.

Application Details

Application Notes: ELM1 reacts with entactin. APPLICATIONS ELM1 is suitable for immunoblotting, immunocytochemistry and immunohistochemistry on frozen tissues. Optimal antibody dilution should be determined by titration, recommended range is 1:25 - 1:200 for immunohistochemistry with avidin-biotinylated horseradish peroxidase complex (ABC) as detection reagent, and 1:100 - 1:1000 for immunoblotting applications.

Restrictions: For Research Use only

Handling

Storage: 4 °C

Publications

Product cited in: Couchman, Ljubimov: "Mammalian tissue distribution of a large heparan sulfate proteoglycan detected by monoclonal antibodies." in: **Matrix (Stuttgart, Germany)**, Vol. 9, Issue 4, pp. 311-21, (1989) ([PubMed](#)).

Ljubimov, Afanasjeva, Litvinova, Senin: "Basement membrane components produced by a mouse ascites teratocarcinoma TB24. Analysis with monoclonal and polyclonal antibodies." in: **Experimental cell research**, Vol. 165, Issue 2, pp. 530-40, (1986) ([PubMed](#)).