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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product datasheet

Calretinin

nordicmubio.com/product/calretinin-2

Catalogue number: **CA120-0.5**

Product Type	Primary Antibodies
Units	0.5 ml
Host	Rabbit
Application	Immunohistochemistry (frozen) Immunohistochemistry (paraffin)

Background
The antibody is suitable for the detection of Calretinin in neurons and may be used as an aid in differential diagnosis of pleura-mesothelioma. This marker is frequently expressed in epitheloid mesothelioma, while occasionally it turns positive in sarcomatous mesothelioma and carcinoma. It was found to be negative in sarcoma (2,3) and in 90% of adenocarcinoma. Calretinin is a Calcium-binding protein related to Calmodulin and Calbindin. It is found in groups of neurons of the brain cortex, in the retina and in the spinal cord (1). More recent studies show that it is a suitable marker for mesothelioma of the lung (2, 3, 4, 5). Calretinin.

Source

Immunogen: Recombinant human Calretinin

Product
Antibody solution in stabilizing phosphate buffer pH 7.3. Contains 0.09 % sodium azide**. The volume is sufficient for at least 200 immunohistochemical tests (100 µl working solution / test). Use appropriate antibody diluent e.g. BIOLOGO Art. No. PU002, if further dilution is required.

Purification Method: Antibody solution in stabilizing phosphate buffer pH 7.3. Contains 0.09 % sodium azide**. The volume is sufficient for at least 200 immunohistochemical tests (100 µl working solution / test). Use appropriate antibody diluent e.g. BIOLOGO Art. No. PU002, if further dilution is required.

Secondary Reagents: We recommend the use of BIOLOGO's Universal Staining System

DAB (Art. No. DA005) or AEC (Art. No. AE005).

Specificity

Species Reactivity: Human, monkey, mouse, rat

Applications
IHC(C, P)

Incubation Time: 60 min at RT

Working Concentration: (liquid conc.) 1:40-1:50

Pre-Treatment: Improvement of staining with Unmasking Fluid G (Art. No. DE007) or Unmasking Fluid C (Art. No. DE000)

Positive Control: Cerebral cortex, pleural mesothelioma

Storage
2-8°C

Caution
*These antibodies are intended for in vitro research use only. They must not be used for clinical diagnostics and not for in vivo experiments in humans or animals. ** The preservative sodium azide is known to be poisonous and potentially hazardous to health. It should be handled only by trained staff. Despite of the product's low azide concentration it must be handled with care. Dispose according to regional rules!

References
1. Schwaller B., Buchwald P., Blümcke I., Celio M.R., and Hunziker W. (1994) Characterization of a polyclonal antiserum against the purified human recombinant calcium binding protein calretinin. Cell Calcium 14; 639-648. 2. Gotzos V., Vogt P., and Celio M.R. (1995) Calretinin is a selective marker for malignant pleural mesotheliomas of the epithelial type. Pathol. Res. Pract. 192; 137-147. 3. Doglioni C., Tos A.P., Laurino L., Iuzzolino P., Chiarelli C., Celio M.R., and Viale G. (1996) Calretinin: a novel immunohistochemical marker for mesothelioma. Am. J. Surg. Pathol. 20; 1037-1046. 4. Wiethege T., Philips S. und Müller K.-M. (1997) Calretinin in Mesotheliomen und pulmonalen Adenokarzinomen. Ein differentialdiagnostischer Marker. Atemw. Lungenkrkh. 23(7); 410-411. 5. Müller K.-M. (1997) Mesotheliome, Pathologie / Pathogenese / Mesotheliomregister Pneumologie 51; 335-344.

Protein Reference(s)

Database Name: UniProt

Accession number: P22676 (CALB2_HUMAN)

Species Accession: Human