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Produktinformation

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

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See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Mouse anti-SMAD4 (DPC4), clone B-8 (Monoclonal)

Clone no. B-8

MONOSAN

Product name	Mouse anti-SMAD4 (DPC4), clone B-8 (Monoclonal)
Host	Mouse
Applications	IHC-P (1:200-1:400)
Species reactivity	Human
Conjugate	-
Immunogen	Amino acid 1-552 representing full length Smad4 of human origin
Isotype	IgG1
Clonality	Monoclonal
Clone number	B-8
Size	1 ml
Concentration	n/a
Format	Purified
Storage buffer	Purified antibody fraction from mouse anti-serum with 0.2% BSA and 15mM sodium azide
Storage until expiry date	2-8°C

Product datasheet MON10228

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Additional info

Signaling from the ligand-activated membrane receptor serine/threonine kinases to nuclear targets is mediated by a set of evolutionarily conserved proteins known as SMADs. Upon ligand binding, the receptors of the TGF-β family phosphorylate SMAD proteins (SMAD1 and SMAD2). These proteins then move into the nucleus, where they activate transcription. To carry out this function, the receptor activated SMAD 1 and 2 require association with the product of deleted in pancreatic carcinoma, locus 4 (DPC4), also known as SMAD4. SMAD4/DPC4 is also implicated as a tumor suppressor, since it is inactivated in more than half of pancreatic carcinomas and to a lesser extent in a variety of other cancers. The lack of SMAD4 expression is present in approximately 80% of cases of pancreatic adenocarcinoma, but rarely in endometrial (0%), colorectal (0%), ovarian (3%), lung (0%), breast (2%) adenocarcinomas, and malignant melanoma (4%). SMAD4 is an important marker for confirming a diagnosis of pancreatic adenocarcinoma. Patients with pancreatic adenocarcinomas with SMAD4 protein expression had significantly longer survival than SMAD4 negative patients.
Pretreatment: Heat induced epitope retrieval in 10 mM citrate buffer, pH6.0, or in 50 mM Tris buffer pH9.5, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections. Note: Dilution of the antibody in 10% normal goat serum followed by a goat anti-mouse secondary antibody-based detection is recommended. Control tissue Pacreatic adenocarcinoma. Staining Nuclear.

References

1. -
2. -
3. -
4. -
5. -

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