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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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Anti-alpha-SMA [8E5D12A9] Standard Size Ab03397-10.0

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Human IgG1, Kappa

Clone Number: 8E5D12A9

Alternative Name(s) of Target: CGMCC NO.22314; α -SMA; 1A4; Actin, aortic smooth muscle; Actin, aortic smooth muscle; Alpha-actin-2; Cell growth-inhibiting gene 46 protein; ACTA2

UniProt Accession Number of Target Protein: P62736

Published Application(s): WB, ELISA, IHC

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing mice with alpha-SMA.

Specificity: The antibody is specific for alpha-SMA. α -SMA is an actin. Further, it is an intracellular protein that has both contractility and can aggregate into microfilaments, which are essential for the structure, motility and formation of skeletal cells. α -SMA, like all actins, is extremely conserved and is found in almost all mammals.

Application Notes: The antibody specifically detected α -SMA protein by Western blot analysis. The antibody 8E5D12A9 and the commercial antibody 1A4 were used to stain leiomyomas and leiomyosarcoma. Results showed the antibody specificity is comparable to the commercial antibody. Further, the sensitivity of the antibody 8E5D12A9 was higher than the commercial antibody. The antibody and the commercially available antibody 1A4 were simultaneously detected on the normal tissue chip, indicating that the specificity of the antibody in normal tissue was equivalent to that of the commercially available antibody (CN113845593A).

Antibody First Published in: [PMID:](#)

Note on publication:

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.