10320 Camino Santa Fe, Suite G
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SPRR3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant SPRR3.
Catalog # AT4030a

Specification

SPRR3 Antibody (monoclonal) (M01) - Product Information

Application	**WB, IHC, E**
Primary Accession	Q9UBC9
Other Accession	BC017802
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG3 Kappa**
Calculated MW	**18154**

SPRR3 Antibody (monoclonal) (M01) - Additional Information

Gene ID 6707

Other Names
Small proline-rich protein 3, 22 kDa pancornulin, Cornifin beta, Esophagin, SPRR3, SPRC

Target/Specificity
SPRR3 (AAH17802, 1 a.a. ~ 161 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
SPRR3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

SPRR3 Antibody (monoclonal) (M01) - Protocols

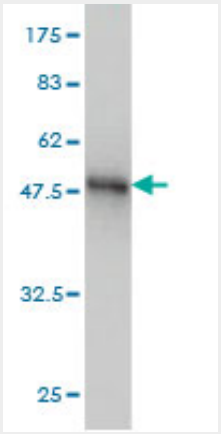
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

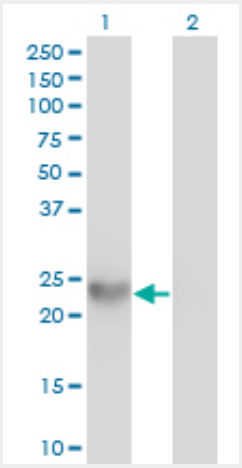
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- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SPRR3 Antibody (monoclonal) (M01) - Images



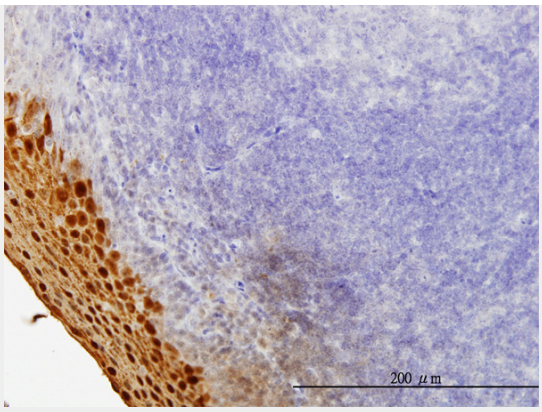
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (43.45 KDa) .



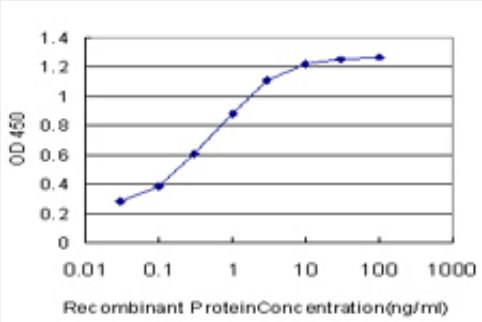
Western Blot analysis of SPRR3 expression in transfected 293T cell line by SPRR3 monoclonal antibody (M01), clone 4A12.

Lane 1: SPRR3 transfected lysate(18.2 KDa).
Lane 2: Non-transfected lysate.

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Immunoperoxidase of monoclonal antibody to SPRR3 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged SPRR3 is approximately 0.03ng/ml as a capture antibody.

SPRR3 Antibody (monoclonal) (M01) - References

Characterization of two isoforms of human SPRR3 from saliva of preterm human newborn and autoptic fetal oral mucosa, parotid and submandibular gland samples. Manconi B, et al. Biochem Biophys Res Commun, 2010 Jul 30. PMID 20599699.Biomechanical stress induces novel arterial intima-enriched genes: implications for vascular adaptation to stress. Pyle AL, et al. Cardiovasc Pathol, 2010 Mar-Apr. PMID 19211270.Regulation of the atheroma-enriched protein, SPRR3, in vascular smooth muscle cells through cyclic strain is dependent on integrin alpha1beta1/collagen interaction. Pyle AL, et al. Am J Pathol, 2008 Nov. PMID 18832573.Association of psoriasis to PGLYRP and SPRR genes at PSORS4 locus on 1q shows heterogeneity between Finnish, Swedish and Irish families. Kainu K, et al. Exp Dermatol, 2009 Feb. PMID 18643845.Exogenous expression of Esophagin/SPRR3 attenuates the tumorigenicity of esophageal squamous cell carcinoma cells via promoting apoptosis. Zhang Y, et al. Int J Cancer, 2008 Jan 15. PMID 17935133.