

Product Datasheet

Alpha smooth muscle Actin Mouse Monoclonal Antibody (orb500840)

Catalog Number	orb500840
Category	Antibodies
Description	Alpha smooth muscle Actin Mouse Monoclonal Antibody
Target	ACTA2
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse, Rat
Predicted Reactivity	Gallus
Form/Appearance	Liquid
Concentration	1mg/ml
Buffer/Preservatives	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
Purification	Affinity purified by Protein G
Immunogen	KLH conjugated synthetic peptide derived from human Actin alpha
UniProt ID	P62736
MW	42 kDa

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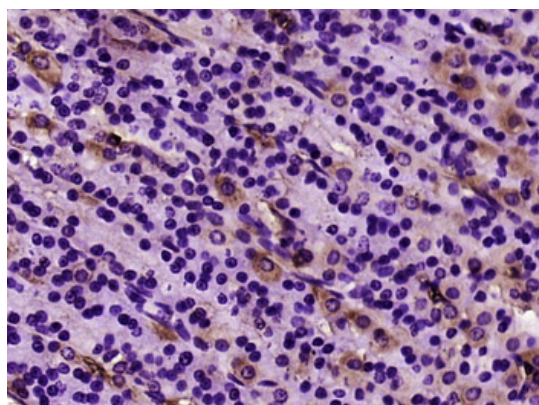
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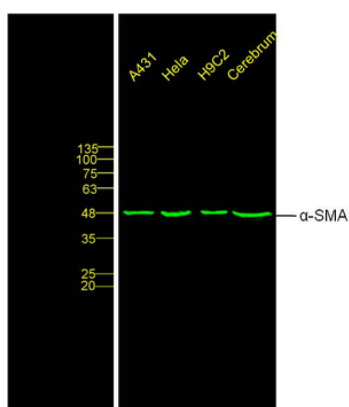
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Tested applications	FC, ICC, IF, IHC-Fr, IHC-P, WB
Dilution range	WB=1:500-5000, IHC-P=1:100-500, IHC-F=1:100-500, ICC/IF=1:100-500, IF=1:100-500, Flow-Cyt=1ug/Test
Antibody Type	Primary Antibody
Clone Number	B0D4
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Paraformaldehyde-fixed, paraffin embedded (Rat stomach), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (alpha smooth muscle Actin) Polyclonal Antibody, Unconjugated at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.



Sample: A431 Cell Lysate at 40 ug HeLa Cell Lysate at 40 ug H9C2 Cell Lysate at 40 ug Cerebrum (Mouse) Lysate at 40 ug Primary: Anti-alpha smooth muscle Actin (orb500840) at 1/5000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 42 kD Observed band size: 42 kD.

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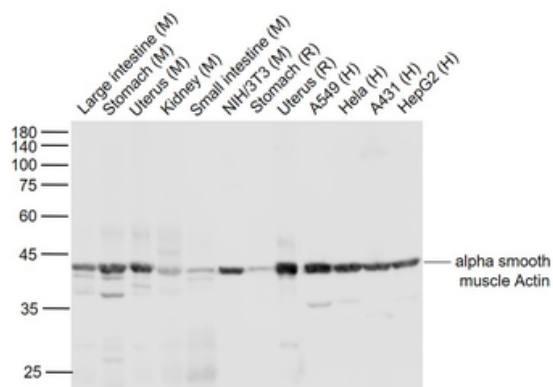
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Sample: Lane 1: Large intestine (Mouse) Lysate at 40 ug, Lane 2: Stomach (Mouse) Lysate at 40 ug, Lane 3: Uterus (Mouse) Lysate at 40 ug, Lane 4: Kidney (Mouse) Lysate at 40 ug, Lane 5: Small intestine (Mouse) Lysate at 40 ug, Lane 6: NIH/3T3 (Mouse) Cell Lysate at 30 ug, Lane 7: Stomach (Rat) Lysate at 40 ug, Lane 8: Uterus (Rat) Lysate at 40 ug, Lane 9: A549 (Human) Cell Lysate at 30 ug, Lane 10: HeLa (Human) Cell Lysate at 30 ug, Lane 11: A431 (Human) Cell Lysate at 30 ug, Lane 12: HepG2 (Human) Cell Lysate at 30 ug, Primary: Anti-alpha smooth muscle Actin (orb500840) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution, Predicted band size: 42 kD, Observed band size: 42 kD.

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