

Product Data Sheet

Anti-SM22 alpha Antibody

Catalog #	Source	Reactivity	Applications
CQA2264	Rabbit	H	WB, IF/IC
Description	Rabbit polyclonal antibody to SM22 alpha		
Immunogen	Recombinant full length protein of human SM22 alpha		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of SM22 alpha protein.		
Clonality	Polyclonal		
Conjugation			
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
Dilution	WB (1/500 - 1/2000), IF/IC (1/10 - 1/100)		
Gene Symbol	TAGLN		
Alternative Names	SM22; WS3-10; Transgelin; 22 kDa actin-binding protein; Protein WS3-10; Smooth muscle protein 22-alpha; SM22-alpha		
Entrez Gene	6876 (Human)		
SwissProt	Q01995 (Human)		
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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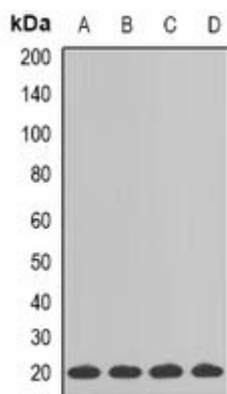
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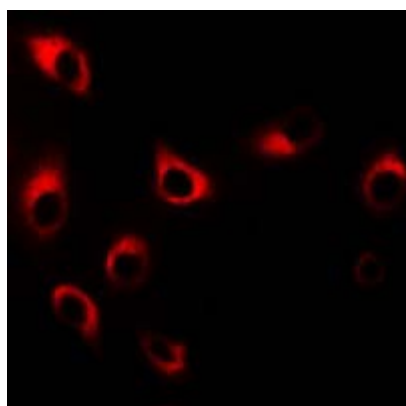
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Western blot analysis of SM22 alpha expression in HT29 (A), mouse heart (B), mouse kidney (C), rat kidney (D) whole cell lysates.



Immunofluorescent analysis of SM22 alpha staining in HT29 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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