

WT1 Recombinant Rabbit Monoclonal Antibody (SC06-41)

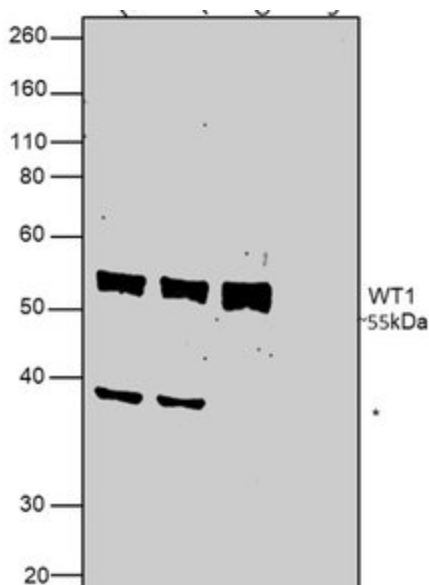
Product Details	
Size	100 µL
Species Reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG
Class	Recombinant Monoclonal
Type	Antibody
Clone	SC06-41
Conjugate	Unconjugated
Immunogen	Recombinant protein within human WT1 aa 70-260
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	TBS, pH 7.4, with 40% Glycerol, 0.05% BSA
Contains	0.05% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2809502

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1:50-1:100	-
Immunocytochemistry (ICC)	1:50-1:200	-
Immunofluorescence (IF)	1:50-1:200	-
Immunohistochemistry (IHC)	1:50-1:200	-
Western Blot (WB)	1:1,000-1:2,000	-

Product Specific Information

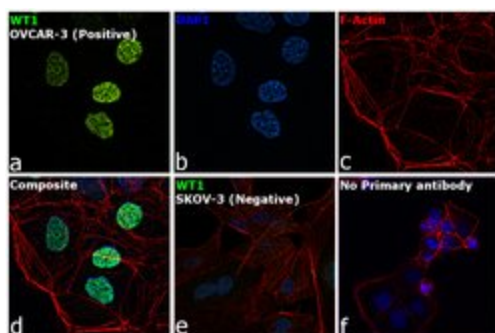
Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

Advanced Verification Data



WT1 Antibody (MA5-32215)

Antibody specificity was demonstrated by detection of differential basal expression of the target across tissues owing to their inherent genetic constitution. Higher expression of TIE2 was observed in HEK-293, K-562, OVCAR-3 in comparison to SK-OV-3 using WT1 Recombinant Rabbit Monoclonal Antibody (SC06-41) (Product # MA5-32215) in western blot. Relative expression validation info.



WT1 Antibody (MA5-32215)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines tested owing to their inherent genetic constitution. Relative expression of WT-1 was observed in OVCAR3 cells in comparison to SK-OV-3 using WT1 Recombinant Rabbit Monoclonal Antibody (SC06-41) (Product # MA5-32215) in Western Blot. Relative expression validation info.

Product Images For WT1 Recombinant Rabbit Monoclonal Antibody (SC06-41)

WT1 Antibody (MA5-32215) in IF

Immunofluorescence analysis of Lysozyme was performed using 70% confluent log phase OVCAR-3 and SK-OV-3 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with WT1 Recombinant Rabbit Monoclonal Antibody (SC06-41) (Product # MA5-32215) at 5µg/ml in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Rabbit IgG (H+L) Superclonal™ Recombinant Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing localization to golgi network and cytoplasm. Panel e shows SK-OV-3 cells with no expression of Lysozyme. Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.

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