

# WDR5 Recombinant Rabbit Monoclonal Antibody (JM73-53)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotope	Rabbit / IgG
Class	Recombinant Monoclonal
Type	Antibody
Clone	JM73-53
Conjugate	Unconjugated
Immunogen	Synthetic peptide within human WDR5 aa 300 to the C-terminus
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_2810037

Applications	Tested Dilution	Publications
ChIP assay (ChIP)	2.5 µg/10 <sup>6</sup> cells	-
Flow Cytometry (Flow)	1:50-1:100	-
Immunocytochemistry (ICC)	5 µg/mL	-
Immunofluorescence (IF)	5 µg/mL	-
Immunohistochemistry (IHC)	1:50-1:200	-
Western Blot (WB)	1:500-1:1,000	-

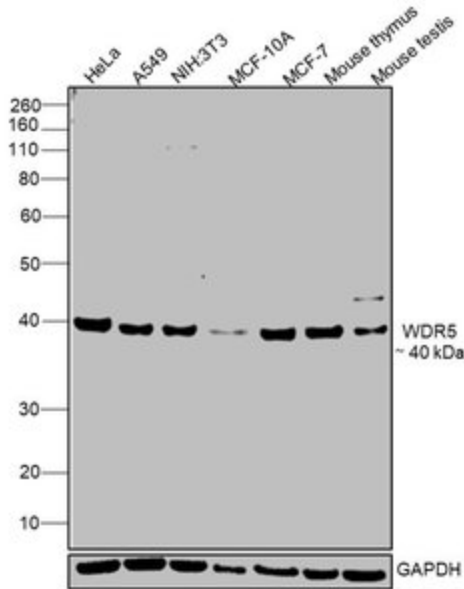
## Product Specific Information

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

### WDR5 Antibody (MA5-32760)

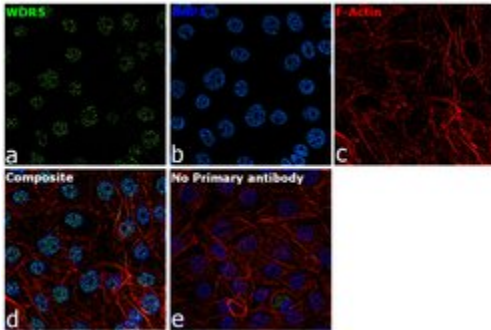
Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines owing to their inherent genetic constitution. Higher expression of GPR30 was observed in MCF-7 as compared to MCF-10A using WDR5 Recombinant Rabbit Monoclonal Antibody (JM73-53) (Product # MA5-32760) in western blot. Relative expression validation info.



## Product Images For WDR5 Recombinant Rabbit Monoclonal Antibody (JM73-53)

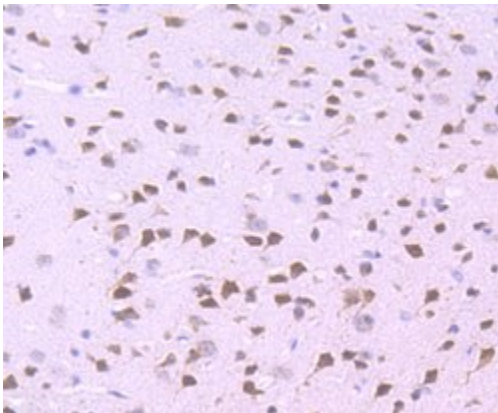
### WDR5 Antibody (MA5-32760) in IF

Immunofluorescence analysis of WDR5 was performed using 70% confluent log phase MCF-7 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 WDR5 Recombinant Rabbit Monoclonal Antibody (JM73-53) (Product # MA5-32760) 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 (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 nucleus. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



### WDR5 Antibody (MA5-32760) in IHC (P)

Immunohistochemical analysis of WDR5 of paraffin-embedded Mouse brain tissue using a WDR5 Monoclonal antibody (Product #MA5-32760). Counter stained with hematoxylin.



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