

# STAT2 Recombinant Rabbit Monoclonal Antibody (1H10L19)

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Host/Isotope	Rabbit / IgG
Class	Recombinant Monoclonal
Type	Antibody
Clone	1H10L19
Conjugate	Unconjugated
Immunogen	Peptide corresponding to amino acids 186–197 of human signal transducer and activator of transcription 2
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	0.09% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2532390

Applications	Tested	Dilution	Published
Immunohistochemistry (Paraffin) (IHC (P))	✓	1:10-1:50	
Western Blot (WB)	✓	1-3 µg/mL	

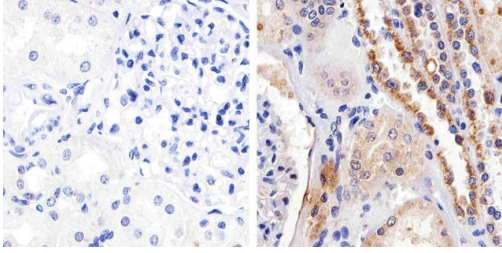
## Product Specific Information

Intact IgG appears on a non-reducing gel as ~150 kDa band and upon reduction generating a ~25 kDa light chain band and a ~50 kDa heavy chain.

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.

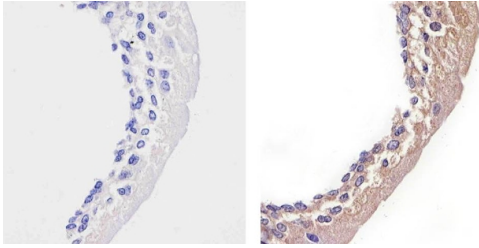
## Product Images For STAT2 Recombinant Rabbit Monoclonal Antibody (1H10L19)

### STAT2 Antibody (701105) in IHC (P)

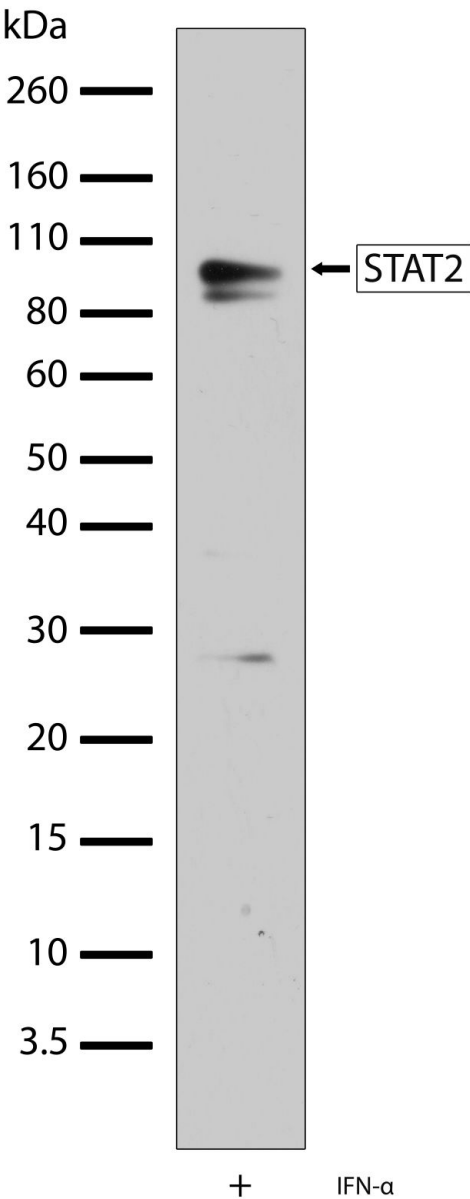


Immunohistochemistry analysis of STAT2 showing staining in the cytoplasm of paraffin-embedded human kidney tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H<sub>2</sub>O<sub>2</sub>-methanol for 15 min at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with a STAT2 monoclonal antibody (Product # 701105) diluted in 3% BSA-PBS at a dilution of 1:20 overnight at 4°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.

### STAT2 Antibody (701105) in IHC (P)



Immunohistochemistry analysis of STAT2 showing staining in the cytoplasm of paraffin-embedded mouse urinary bladder (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H<sub>2</sub>O<sub>2</sub>-methanol for 15 min at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with a STAT2 monoclonal antibody (Product # 701105) diluted in 3% BSA-PBS at a dilution of 1:20 overnight at 4°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.



### STAT2 Antibody (701105) in WB

Western blot analysis of STAT2 in whole cell extracts of serum-starved HeLa cells treated with IFN- $\alpha$  (150 ng/mL, 15 min) using a STAT2 recombinant rabbit monoclonal antibody (Product # 701105) at a dilution of 2  $\mu$ g/mL. Samples were detected using chemiluminescence (ECL). Results show a band at ~98 kDa.

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