

Anti-STAT3 antibody (600-700) [S1MR] (STJ11101701)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

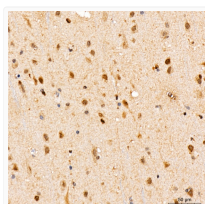
Clonality	Monoclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:1000-1:6000 IHC-P:1:200-1:2000 ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.02% Sodium Azide, 0.05% BSA, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 88kDa Observed Mw: 79kDa/86kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

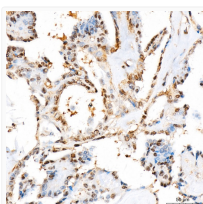
Gene ID	6774
Gene Symbol	STAT3
UniProt ID	STAT3_HUMAN
Immunogen Region	600-700
Immunogen Sequence	TKPPGTFLRRFSESSKEGGV TFTWVEKDISGKTQIQSVEP YTKQQLNMSFAEIIIMGYKI MDATNILVSPLYLYPDIPK EEAFGKYCRPESQEHPEADP G
Specificity	A synthetic peptide corresponding to a sequence within amino acids 600-700 of human STAT3 (P40763).

ADDITIONAL INFORMATION

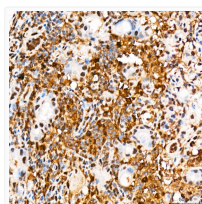
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



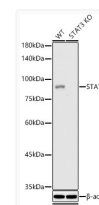
Immunohistochemistry analysis of STAT3 in paraffin-embedded human brain tissue using [KO Validated] STAT3 Rabbit monoclonal antibody (STJ11101701) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to immunohistochemistry staining.



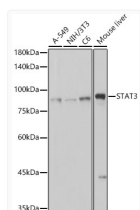
Immunohistochemistry analysis of STAT3 in paraffin-embedded human thyroid cancer tissue using [KO Validated] STAT3 Rabbit monoclonal antibody (STJ11101701) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to immunohistochemistry staining.



Immunohistochemistry analysis of STAT3 in paraffin-embedded human breast tissue using [KO Validated] STAT3 Rabbit monoclonal antibody (STJ11101701) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to immunohistochemistry staining.



Western blot analysis of lysates from wild type (WT) and STAT3 knockout (KO) HeLa (KO) cells, using [KO Validated] STAT3 Rabbit monoclonal antibody (STJ11101701) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.



Western blot analysis of various lysates, using [KO Validated] STAT3 Rabbit monoclonal antibody (STJ11101701) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.