

Product Datasheet

STAT2 Antibody (545103) [Unconjugated] MAB16661-SP

Unit Size: 25 ug

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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MAB16661-SP

STAT2 Antibody (545103) [Unconjugated]

Product Information	
Unit Size	25 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.
Clonality	Monoclonal
Clone	545103
Preservative	No Preservative
Reconstitution Instructions	Reconstitute at 0.5 mg/mL in sterile PBS.
Isotype	IgG2b
Conjugate	Unconjugated
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. *Small pack size (SP) is supplied as a 0.2 µm filtered solution in PBS.

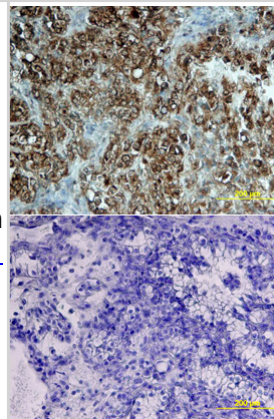
Product Description	
Host	Mouse
Gene ID	6773
Gene Symbol	STAT2
Species	Human
Specificity/Sensitivity	Detects human STAT2 in direct ELISAs. In direct ELISAs, this antibody shows no cross-reactivity with rhSTAT1, 1A, 3, 4, 5A, 5B, 6, or rmSTAT2.
Immunogen	<i>E. coli</i> -derived recombinant human STAT2 Met1-Phe851 Accession # P52630
Notes	This product is produced by and ships from R&D Systems, Inc., a Bio-Techne brand.

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Knockout Validated
Recommended Dilutions	Western Blot 1 ug/mL, Immunohistochemistry 8-25 ug/mL, Knockout Validated

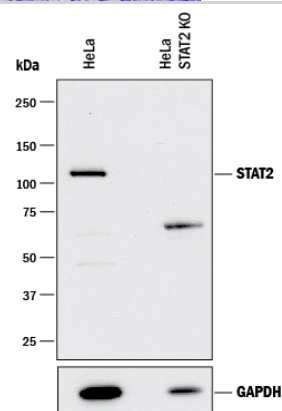


Images

STAT2 was detected in immersion fixed paraffin-embedded sections of human kidney array using Mouse Anti-Human STAT2 Monoclonal Antibody (Catalog # MAB16661) at 25 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # [CTS002](#)) and counterstained with hematoxylin (blue). Lower panel shows a lack of labeling if primary antibodies are omitted and tissue is stained only with secondary antibody followed by incubation with detection reagents. View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).



Western blot shows lysates of HeLa human cervical epithelial carcinoma parental cell line and STAT2 knockout HeLa cell line (KO). PVDF membrane was probed with 1 µg/mL of Mouse Anti-Human STAT2 Monoclonal Antibody (Catalog # MAB16661) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # [HAF018](#)). A specific band was detected for STAT2 at approximately 110 kDa (as indicated) in the parental HeLa cell line, but is not detectable in knockout HeLa cell line. GAPDH (Catalog # [MAB5718](#)) is shown as a loading control. This experiment was conducted under reducing conditions and using [Immunoblot Buffer Group 1](#).





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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