

Mouse Anti-STAT2 [MD199]: MC0443, MC0443RTU7

Intended Use: For Research Use Only

Description: Membrane receptor signaling by various ligands, including interferons and growth hormones such as EGF, induces activation of JAK kinases which then leads to tyrosine phosphorylation of the various Stat transcription factors. Stat1 and Stat2 are induced by IFN- is activated by EGF, but not by IL-6. Highest expression of Stat4 is seen in testis and myeloid cells. IL-12 has been identified as an activator of Stat4. Stat5 has been shown to be activated by prolactin and by IL-3. Stat6 is involved in IL-4 activated signaling pathways.

Specifications

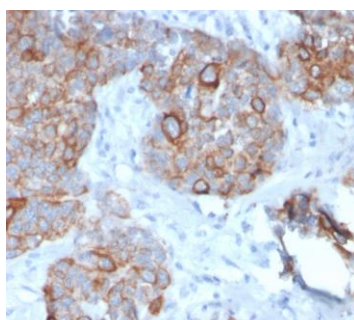
Clone:	MD199
Source:	Mouse
Isotype:	IgG1k
Reactivity:	Human
Immunogen:	Recombinant full-length human STAT2 protein
Localization:	Membrane
Formulation:	Purified antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC
Package:	

Description	Catalog No.	Size
STAT2 Concentrated	MC0443	1 ml
STAT2 Prediluted	MC0443RTU7	7 ml

IHC Procedure

Positive Control Tissue:	Lung carcinoma
Concentrated Dilution:	50-200
Pretreatment:	Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human prostate carcinoma stained with anti-STAT2 using DAB

References:

1. ISG15 induces ESRP1 to inhibit lung adenocarcinoma progression. Qu T, et al. Cell Death Dis 11:511, 2020.
2. TRIM66 promotes malignant progression of prostate carcinoma through the JAK/STAT pathway. FEBS Cao H, et al. Open Bio 10:515-524, 2020.
3. Pro-Angiogenic Role of LncRNA HULC in Microvascular Endothelial Cells via Sequestering miR-124. Yin D, et al. Cell Physiol Biochem 50:2188-2202, 2018.

Doc. 100-MC0443
Rev. A