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SOCS3 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a full length recombinant SOCS3.
Catalog # AT3988a

Product Information

Application	IHC, IF, E
Primary Accession	O14543
Other Accession	BC060858
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	1E5
Calculated MW	24770

Additional Information

Gene ID	9021
Other Names	Suppressor of cytokine signaling 3, SOCS-3, Cytokine-inducible SH2 protein 3, CIS-3, STAT-induced STAT inhibitor 3, SSI-3, SOCS3, CIS3, SSI3
Target/Specificity	SOCS3 (AAH60858, 1 a.a. ~ 225 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	IHC~~1:100~500 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	SOCS3 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

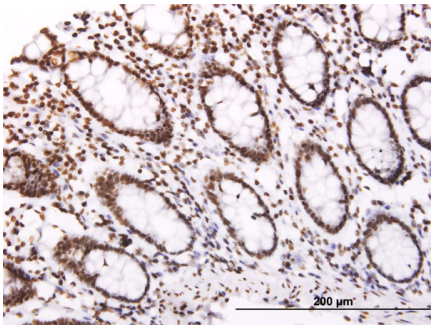
Background

This gene encodes a member of the STAT-induced STAT inhibitor (SSI), also known as suppressor of cytokine signaling (SOCS), family. SSI family members are cytokine-inducible negative regulators of cytokine signaling. The expression of this gene is induced by various cytokines, including IL6, IL10, and interferon (IFN)-gamma. The protein encoded by this gene can bind to JAK2 kinase, and inhibit the activity of JAK2 kinase. Studies of the mouse counterpart of this gene suggested the roles of this gene in the negative regulation of fetal liver hematopoiesis, and placental development.

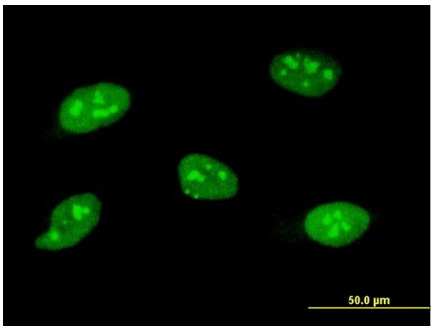
References

1.Epigenetic silencing of SOCS3 identifies a subset of prostate cancer with an aggressive behavior.Pierconti F, Martini M, Pinto F, Cenci T, Capodimonti S, Calarco A, Bassi PF, Larocca LM.Prostate. 2010 Aug 17. [Epub ahead of print]

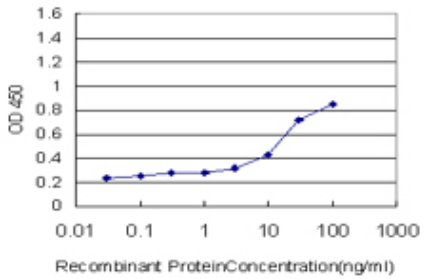
Images



Immunoperoxidase of monoclonal antibody to SOCS3 on formalin-fixed paraffin-embedded human colon. [antibody concentration 1.5 ug/ml]



Immunofluorescence of monoclonal antibody to SOCS3 on HeLa cell . [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged SOCS3 is approximately 3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.