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Anti-TSG101 Rabbit Monoclonal Antibody

Catalog Number: M01233

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Overview

Product Name	Anti-TSG101 Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-TSG101 Rabbit Monoclonal Antibody catalog # M01233. Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IF, IHC, ICC, WB
Clonality	Monoclonal IDG-20
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q99816

Technical Details

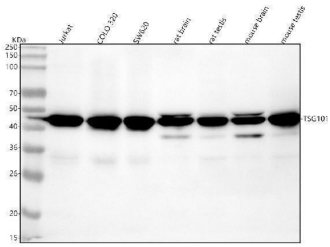
Immunogen	A synthesized peptide derived from human TSG101
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000

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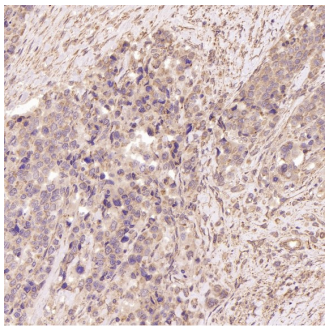
	IHC 1:50-200 ICC/IF 1:50-200 FC 1:50

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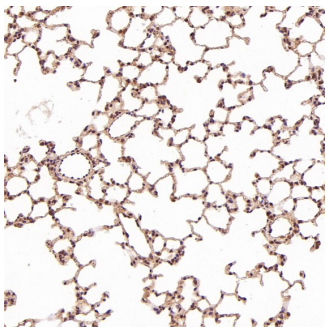
Anti-TSG101 Rabbit Monoclonal Antibody (M01233) Images



Western blot analysis of TSG101 using anti-TSG101 antibody (M01233). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Jurkat whole cell lysates, Lane 2: human COLO320 whole cell lysates, Lane 3: human SW620 whole cell lysates, Lane 4: rat brain tissue lysates, Lane 5: rat testis tissue lysates, Lane 6: mouse brain tissue lysates, Lane 7: mouse testis tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-TSG101 antigen affinity purified monoclonal antibody (Catalog # M01233) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for TSG101 at approximately 44 kDa. The expected band size for TSG101 is at 44 kDa.



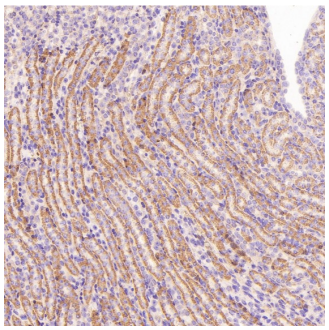
Immunohistochemical analysis of paraffin-embedded Human prostate cancer, using the Antibody at 1:1000 dilution.

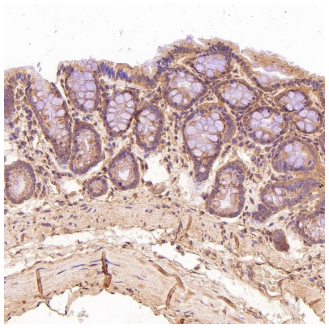


Immunohistochemical analysis of paraffin-embedded Rat liver, using the Antibody at 1:500 dilution.

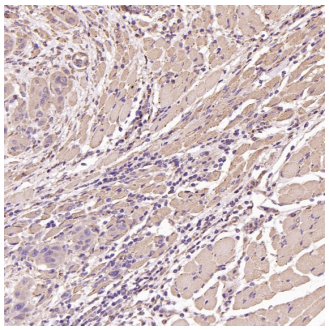
Immunohistochemical analysis of paraffin-embedded Mouse kidney, using the Antibody at 1:1000 dilution.

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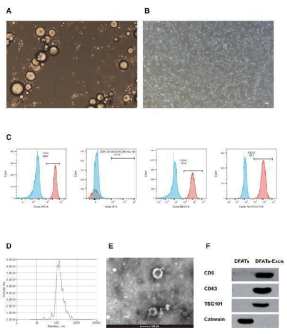




Immunohistochemical analysis of paraffin-embedded Rat stomach, using the Antibody at 1:500 dilution.



Immunohistochemical analysis of paraffin-embedded Human tongue cancer, using the Antibody at 1:250 dilution.



Illustrates the characterization of DFATs and exosomes. DFATs exhibited a spindle-shaped morphology (A-B). Flow cytometry analysis showed that DFATs were positive for markers CD90, CD105, and CD73, and negative for CD34, CD11b, CD19, CD45, and HLA-DR (C). NTA showed that the average diameter of the exosomes was 136.3 nm (D). TEM showed that DFATs-Exos exhibited a typical bilayer membrane structure (E). Western blot analysis revealed that DFATs exosomes were enriched in markers such as CD63, CD9, and TSG101, while lacking the marker Calnexin (F). Full-length blots are presented in Supplementary Digital Material 1 Index in PubMed under a CC BY license. PMID: 40022232

1 Publications Citing This Product

1. PubMed ID: -, Pei-pei Fang,Chen-wei Pan,Wei Lin,Jie Li,Shan-shan Huang,Guang-yao Zhou,Wen-jun Du,Qiang Li, "ASK1 Enhances Angiotensin II-Induced Liver Fibrosis In Vitro by Mediating Endoplasmic Reticulum Stress-Dependent Exosomes",Mediators of Inflammation,vol.2020,Art

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