

Sulfotyrosine Antibody
Sulfotyrosine Antibody, Clone 7C5
Catalog # ASM10350**Specification**

Sulfotyrosine Antibody - Product Information

Application	WB, ICC, E
Host	Mouse
Isotype	IgG1
Clonality	Monoclonal
Description	
Mouse Anti-Sulfotyrosine Monoclonal IgG1	

Target/Specificity

Specific for sulfated tyrosine residues on various proteins. Does not detect free Sulfotyrosine. Does not cross-react with phosphotyrosine.

Other Names

Sulfotyrosine Antibody, Tyrosine sulfation Antibody, Sulfated Tyrosine Antibody, S-Tyrosine Antibody, sTYR Antibody, Sulphotyrosine Antibody, Tyrosine Sulphation Antibody, Sulphated Tyrosine Antibody

Trademark	MOLECULAR SIGNATURE®
Immunogen	
Synthetic Sulfotyrosine conjugated to Keyhole Limpet Hemocyanin (KLH).	

Purification

Protein G Purified

Storage	-20°C
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Storage Buffer

PBS pH 7.4, 50% glycerol, 0.9% Sodium Azide

Shipping Temperature	Blue Ice or 4°C
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Certificate of Analysis

A 1:1000 dilution of SMC-522 was sufficient for detection of Sulfotyrosine in 0.5 µg of Sulfotyrosine conjugated to BSA by ECL immunoblot analysis using Goat Anti-Mouse IgG:HRP as the secondary Antibody.

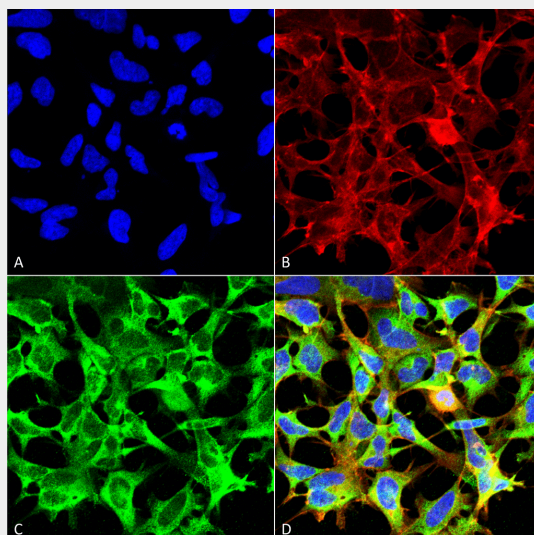
Sulfotyrosine Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

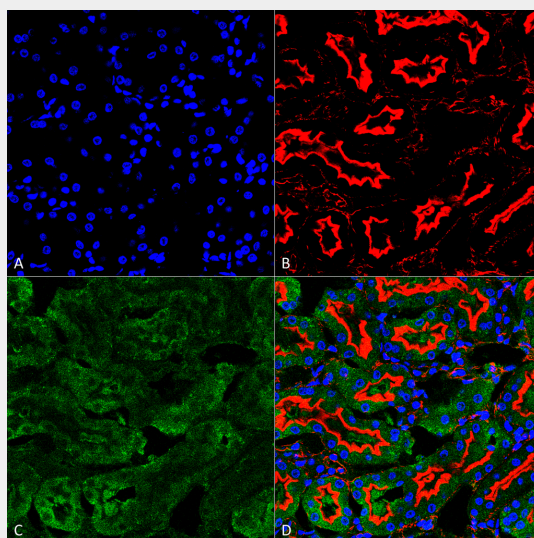
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

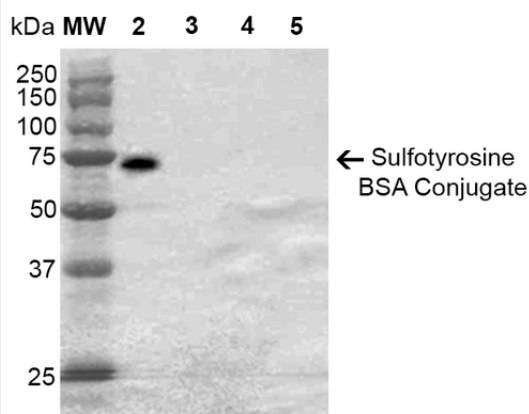
Sulfotyrosine Antibody - Images



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Sulfotyrosine Monoclonal Antibody, Clone 12B11 (ASM10350). Tissue: Embryonic kidney epithelial cell line (HEK293). Species: Human. Fixation: 5% Formaldehyde for 5 min. Primary Antibody: Mouse Anti-Sulfotyrosine Monoclonal Antibody (ASM10350) at 1:50 for 30-60 min at RT. Secondary Antibody: Goat Anti-Mouse Alexa Fluor 488 at 1:1500 for 30-60 min at RT. Counterstain: Phalloidin Alexa Fluor 633 F-Actin stain; DAPI (blue) nuclear stain at 1:250, 1:50000 for 30-60 min at RT. Localization: Cytoplasmic. Magnification: 20X (2X Zoom). (A) DAPI (blue) nuclear stain. (B) Phalloidin Alexa Fluor 633 F-Actin stain. (C) Sulfotyrosine Antibody. (D) Composite. Courtesy of: Dr. Robert Burke, University of Victoria.



Immunohistochemistry analysis using Mouse Anti-Sulfotyrosine Monoclonal Antibody, Clone 12B11 (ASM10350). Tissue: kidney. Species: Human. Fixation: Formalin fixed, paraffin embedded. Primary Antibody: Mouse Anti-Sulfotyrosine Monoclonal Antibody (ASM10350) at 1:25 for 1 hour at RT. Secondary Antibody: Goat Anti-Mouse IgG: Alexa Fluor 488. Counterstain: Actin-binding Phalloidin-Alexa Fluor 633; DAPI (blue) nuclear stain. Magnification: 63X. (A) DAPI (blue) nuclear stain. (B) Phalloidin Alexa Fluor 633 F-Actin stain. (C) Sulfotyrosine Antibody (D) Composite.



Western Blot analysis of Sulfotyrosine-BSA Conjugate showing detection of 67 kDa Sulfotyrosine protein using Mouse Anti-Sulfotyrosine Monoclonal Antibody, Clone 12B11 (ASM10350). Lane 1: Molecular Weight Ladder (MW). Lane 2: Sulfotyrosine-BSA. Lane 3: Tyrosine-BSA. Lane 4: Phosphotyrosine-BSA. Lane 5: BSA. Load: 2 μ g. Block: 5% Skim Milk in TBST. Primary Antibody: Mouse Anti-Sulfotyrosine Monoclonal Antibody (ASM10350) at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 5 min in RT. Predicted/Observed Size: 67 kDa.