

Dityrosine Antibody
Dityrosine Antibody, Clone 7D4
Catalog # ASM10348**Specification**

Dityrosine Antibody - Product Information

Application	WB, ICC, E
Host	Mouse
Isotype	IgG1
Clonality	Monoclonal
Description	
Mouse Anti-Dityrosine (DT) Monoclonal IgG1	

Target/Specificity

Specific for dityrosine modified proteins. Does not cross-react with 3,5-dibromotyrosine or bromotyrosine modified proteins.

Other Names

Dityrosine Antibody, Dityrosine (DT) Antibody, DT Antibody, DY Antibody

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Immunogen

Synthetic Dityrosine conjugated to Keyhole Limpet Hemocyanin (KLH).

Purification

Protein G Purified

Storage **-20°C**

Storage Buffer

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

Shipping Temperature

Blue Ice or 4°C

Certificate of Analysis

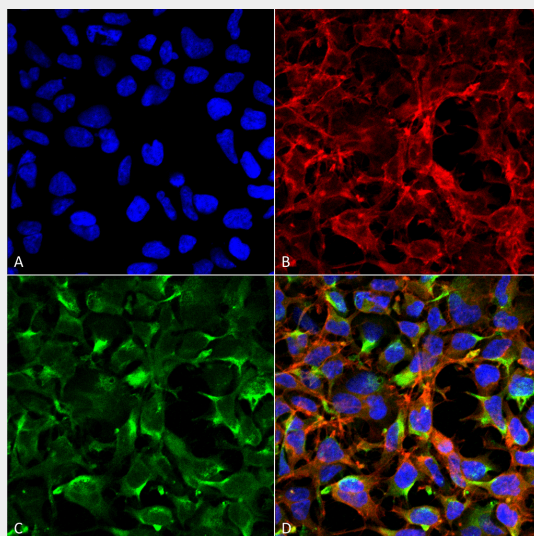
A 1:1000 dilution of SMC-520 was sufficient for detection of dityrosine in 1 µg of Dityrosine conjugated to BSA by ECL immunoblot analysis using Goat Anti-Mouse IgG:HRP as the secondary Antibody.

Dityrosine Antibody - Protocols

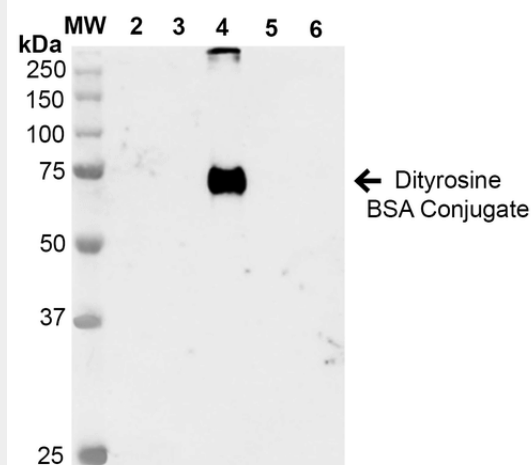
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Dityrosine Antibody - Images



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Dityrosine Monoclonal Antibody, Clone 7D4 (ASM10348). Tissue: Embryonic kidney cells (HEK293) cultured overnight with 50 μ M H₂O₂. Species: Human. Fixation: 5% Formaldehyde for 5 min. Primary Antibody: Mouse Anti-Dityrosine Monoclonal Antibody (ASM10348) 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) Dityrosine Antibody. (D) Composite. Courtesy of: Dr. Robert Burke, University of Victoria.



Western Blot analysis of Dityrosine-BSA Conjugate showing detection of 67 kDa Dityrosine protein using Mouse Anti-Dityrosine Monoclonal Antibody, Clone 7D4 (ASM10348). Lane 1: Molecular Weight Ladder (MW). Lane 2: BSA. Lane 3: 3,5-Dibromotyrosine-BSA. Lane 4: Dityrosine-BSA. Lane 5: Bromotyrosine-BSA. Lane 6: 7-ketocholesterol-BSA. Load: 1 μ g. Block: 5% Skim Milk in TBST. Primary Antibody: Mouse Anti-Dityrosine Monoclonal Antibody (ASM10348) 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.