

Dibromo-tyrosine Antibody

Dibromo-tyrosine Antibody, Clone 6G3

Catalog # ASM10334

Specification

Dibromo-tyrosine Antibody - Product Information

Application **ICC/IF, WB**
Host **Mouse**
Isotype **IgG1**
Clonality **Monoclonal**

Description

Mouse Anti-Dibromo-tyrosine (DiBrY)
Monoclonal IgG1

Target/Specificity

Specific for 3,5-Dibromo-tyrosine. Does not cross-react with Nitrotyrosine.

Other Names

3, 5-Dibromo-tyrosine Antibody, 3,
5-dibromotyrosine Antibody,
Dibromotyrosine Antibody,
Dibromo-tyrosine Antibody, DiBrY Antibody,
Dibromotyrosine (DiBrY) Antibody,
Dibromo-Tyrosine (DiBrY) Antibody,
Dibromo-tyrosine [DiBrY] Antibody

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SIGNATURE®**

Immunogen

Synthetic 3,5-Dibromotyrosine conjugated
to Keyhole Limpet Hemocyanin (KLH).

Purification

Protein G Purified

Storage **-20°C**

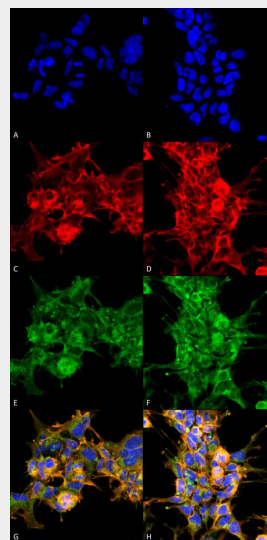
Storage Buffer

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

Shipping **Blue Ice or 4°C**
Temperature

Certificate of Analysis

A 1:1000 dilution of SMC-506 was sufficient
for detection of 3,5-Dibromotyrosine in 1 µg
of 3, 5-Dibromotyrosine conjugated to BSA
by ECL immunoblot analysis using Goat
Anti-Mouse IgG:HRP as the secondary
Antibody.

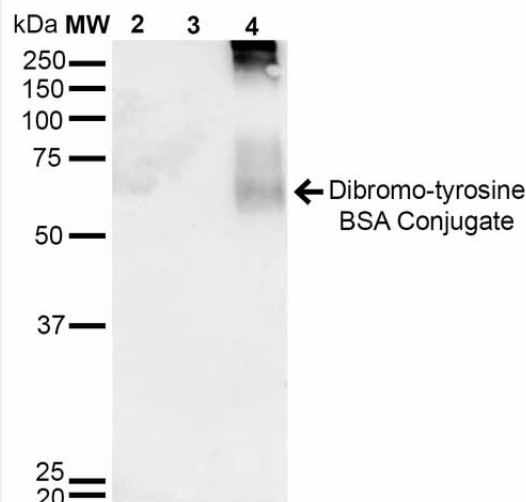


Immunocytochemistry/Immunofluorescence
analysis using Mouse Anti-Dibromo-tyrosine
Monoclonal Antibody, Clone 6G3 (ASM10334).
Tissue: Embryonic kidney cells (HEK293).
Species: Human. Fixation: 5% Formaldehyde
for 5 min. Primary Antibody: Mouse
Anti-Dibromo-tyrosine Monoclonal Antibody
(ASM10334) at 1:50 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.
Magnification: 20X (2X Zoom). (A,C,E,G) -
Untreated. (B,D,F,H) - Cells cultured
overnight with 50 µM H₂O₂. (A,B) DAPI (blue)
nuclear stain. (C,D) Phalloidin Alex Fluor 633
F-Actin stain. (E,F) Dibromo-tyrosine
Antibody. (G,H) Composite. Courtesy of: Dr.
Robert Burke, University of Victoria.

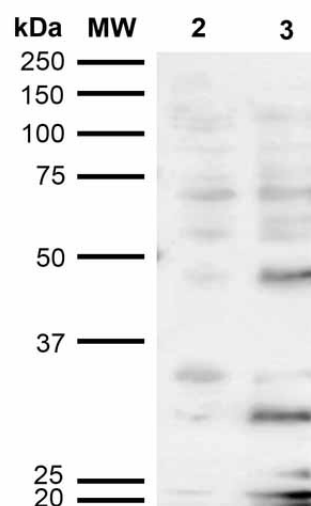
Dibromo-tyrosine Antibody - Protocols

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](#)



Western Blot analysis of 3,5-Dibromotyrosine-BSA Conjugate showing detection of 67 kDa 3,5-Dibromotyrosine-BSA using Mouse Anti-3,5-Dibromotyrosine Monoclonal Antibody, Clone 6G3 (ASM10334). Lane 1: Molecular Weight Ladder (MW). Lane 2: BSA. Lane 3: Nitrosylated-BSA. Lane 4: Dibromotyrosine-BSA. Load: 1 µg. Block: 5% Skim Milk in TBST. Primary Antibody: Mouse Anti-3,5-Dibromotyrosine Monoclonal Antibody (ASM10334) 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.



Western Blot analysis of Human Cervical Cancer cell line (HeLa) showing detection of 3-5-Dibromotyrosine-BSA using Mouse Anti-3-5-Dibromotyrosine Monoclonal Antibody, Clone 6G3 (ASM10334). Lane 1: Molecular Weight Ladder (MW). Lane 2: HeLa

cell lysate. Lane 3: H₂O₂ treated HeLa cell lysate. Load: 12 µg. Block: 5% Skim Milk in TBST. Primary Antibody: Mouse Anti-3-5-Dibromotyrosine Monoclonal Antibody (ASM10334) 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.