



Northwest
Life Science Specialties, LLC

Anti Di bromo tyrosine (DiBrY) Monoclonal Clone 3A5

Catalog Number:	NWA-DBY020
Description:	Mouse anti Di bromo tyrosine monoclonal antibody (20µg IgG/Vial)
Format:	Lyophilized as 100 µg/mL IgG in 10mM Phosphate buffered saline, pH7.4.
Antigen:	Brominated keyhole limpet hemocyanin.
Species:	Mouse IgG _{1(kappa)} ; Protein A purified.
Reconstitution:	Reconstitute with 200 µL distilled water to yield 100 µg/mL stock solution.
Suggested Use:	IHC (10 µg IgG/mL) and/or Western Blotting User should determine optimum titer for each specific application.
Specificity:	Specific for di-halogenated tyrosine. Recognizes dibromotyrosine (DiBrY), N-acetylated dichloro tyrosine (NAcDiClY), diiodo tyrosine (DiIY), N-bromosuccinimide-treated BSA, HOCl-treated BSA and dibromo-tyrosone conjugated BSA.
Cross Reactivity:	Negligible crossreactivity for dityrosine-conjugated BSA, peroxyntitretreated BSA, tyrosine (Y), chrolotyrosine(CIY), 3-3'-dityrosine (DiY), 3-aminotyrosine (NH ₂ Y), 3,4 dihydroxyphenylacetic acid (DOPA), 2-hydroxy- 4-phenylacetic acid, 3-nitrotyrosine (NO ₂ Y), phenylalanine (Phe) and o-phosphotyrosine. Slight but minimal crossreactivity for Bromotyrosine (BrY).
Stability:	Stable for 3 years as supplied (lyophilized powder).
Storage:	Store at -20 °C upon arrival. After reconstitution freeze single use aliquots at -20 °C or lower. Avoid repeated freeze/thaw.
References:	1. Y Kato, et al. (2005) Free Rad Biol Med, 38, p24-31

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