

Datasheet for 200-301-W45**Ty1 Antibody****Overview**

Description:	Anti-Ty1 (MOUSE) Monoclonal Antibody - 200-301-W45
Item No.:	200-301-W45
Size:	50 µg
Applications:	ChIP, WB, FISH, Multiplex
Host Species:	Mouse

Product Details

Background:	Ty1 tag is made with a EVHTNQDPLD sequence and works well for x-linked ChIP without crosslinking.
Synonyms:	Ty1 Tag
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	BB2
Format:	IgG1

Target Details

Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-Ty1 Antibody was produced in mice by repeated immunizations with the Ty1 epitope tag fusion peptide.
Purity/Specificity:	Anti-Ty1 Antibody was purified by ammonium sulphate precipitation. The antibody recognizes Ty1 tagged proteins.

Application Details

Tested Applications:	ChIP, WB
Suggested Applications:	FISH, Multiplex (Based on references)

Application Note:	Anti-Ty1 Antibody is tested for Chromatin Immunoprecipitation and Western Blots. Specific conditions for reactivity should be optimized by the end user. ProClin is added as a antimicrobial agent.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ChIP:	2 µg per IP
WB:	1:1,000-1:2,000

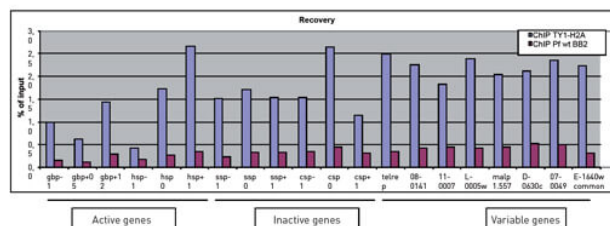
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.9 µg/µl by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.05% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

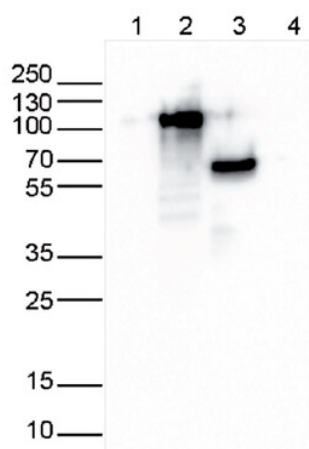
Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



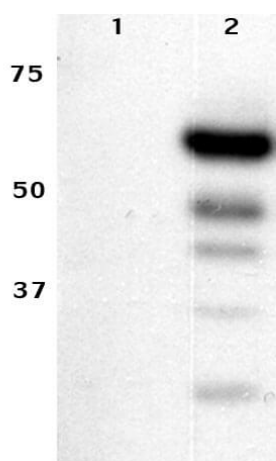
ChIP

Chromatin Immunoprecipitation performed with mouse Anti-Ty1 antibody against Ty1 tag. ChIP assays were performed using Plasmodium falciparum cells stably expressing Ty1-H2A (blue bars) and wild type Plasmodium falciparum cells (brown bars). Primer pairs were used for active genes, inactive genes, and variable genes. Sheared chromatin from 1x10⁶ cells and 2 µg of antibody against Ty1 were used per ChIP experiment.



Western Blot

Western Blot results of Anti-Ty1 antibody. Lane 1: HeLa cell extract - un-transfected. Lane 2: MBD1 cell extract transfected Ty1-tagged protein. Lane 3: MBD2 cell extract transfected Ty1-tagged protein. Lane 4: HeLa cell extract - un-transfected. Load: 25 µg per lane. Primary antibody: anti-Ty1 antibody at 1:1,000. Block: TBS-Tween containing 5% BLOTTO overnight at 4°C.



Western Blot

Western Blot results of Anti-Ty1 antibody. Lane 1: MCF-7 cell extract. Lane 2: MCF-7 cells transfected Ty1-tagged protein. Load: 20µg per lane. Primary antibody: anti-Ty1 antibody at 1:2,000 overnight at 4°C. Block: TBS-Tween containing 3% BLOTTO. Expect: arrow lane 2. Other Bands: degradation of overexpressed protein.

References

- Bichet et al. Genetic impairment of parasite myosin motors uncovers the contribution of host cell membrane dynamics to Toxoplasma invasion forces. *BMC Biology* (2016)

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.