For Research Use Only

CoraLite® Plus 488-conjugated RYBP Monoclonal antibody

Catalog Number:CL488-68130

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Basic Information

Catalog Number:
CL488-68130

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG31715

GenBank Accession Number:
BC014959

GeneID (NCBI):
23429

UNIPROT ID:
Q8N488

Full Name:
RING1 and YY1 binding protein

Calculated MW:
228 aa, 25 kDa

Observed MW:
32 kDa

Purification Method:
Protein G purification

CloneNo.:
2C6G7

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human, mouse

Background Information

Polycomb repressive complexes (PRCs) are important chromatin regulators of embryonic stem (ES) cell function [PMID:22269950]. RYBP binds Polycomb H2A monoubiquitin ligases Ring1A and Ring1B and has been suggested to assist PRC localization to their targets. RYBP, firstly identified as a direct interactor with Ring1A, acts as transcriptional repressor in reporter assays, both in tissue culture cells and in the fly [PMID:16125914]

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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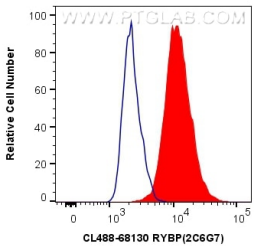
Selected Validation Data



1X10^6 A431 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human RYBP (CL488-68130, Clone:2C6G7) (red), or 0.8 ug CoraLite® Plus 488 Mouse IgG1 Isotype Control (MOPC-21) (CL488-65124, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).