

Ikaros Monoclonal Antibody

CAB3565

Description

This Ikaros Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CAB3565
Contents:	20 μ L, 100 μ L Bradford Reagent: 1 vial (2ml)
Category:	Monoclonal Antibody
Synonyms:	IK1, LYF1, LyF-1, CVID13, IKAROS, PPP1R92, PRO0758, ZNFN1A1, Hs.54452, Ikaros
Clone:	ARC0803
Applications:	WB IF/ICC ChIP ELISA CUT&Tag
Conjugation:	Unconjugated
Reactivity:	Human, Mouse

Antibody Data

Gene ID:	10320
Uniprot:	AB_2863089
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	58kDa
Calculated MW:	58kDa

Preparation & Storage

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

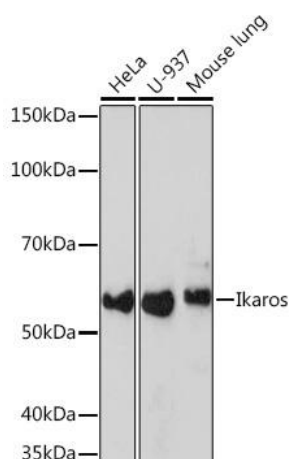
Positive Sample: HeLa, U-937, Mouse lung

Recommended Dilutions:

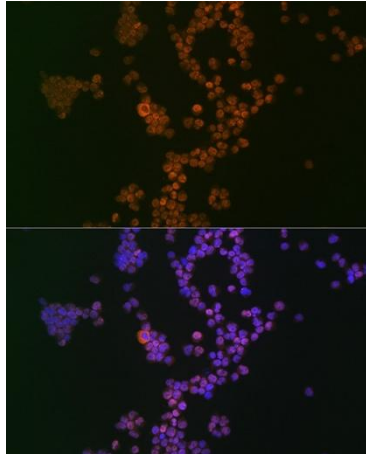
WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. ChIP 5µg antibody for 10µg-15µg of Chromatin CUT&Tag 10 ⁵ cells /1 µg

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

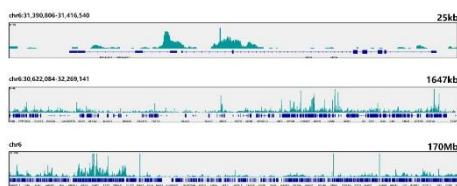
Validation Data



Western blot analysis of various lysates using Ikaros Rabbit mAb (CAB3565) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 3min.



Immunofluorescence analysis of Jurkat cells using Ikaros Rabbit mAb (CAB3565) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



CUT&Tag was performed using the CUT&Tag Assay Kit (pAG-Tn5) for Illumina from 10^5 cells with 1 μ g Ikaros Rabbit mAb (CAB3565), along with a Goat Anti-Rabbit IgG(H+L). The CUT&Tag results indicate the enrichment pattern of Ikaros in representative gene loci (MICA), as shown in figure.