[KO Validated] SOX2 Monoclonal Antibody

CAB19118

Description

This [KO Validated] SOX2 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:	CAB19118
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Monoclonal Antibody
Synonyms:	ANOP3, MCOPS3, SOX2
Clone:	ARC0449
Applications:	WB ELISA IF-F
Conjugation:	Unconjugated
Reactivity:	Mouse, Rat

Antibody Data

Gene ID:	6657
Uniprot:	AB_2862611
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	35kDa
Calculated MW:	34kDa

Preparation & Storage

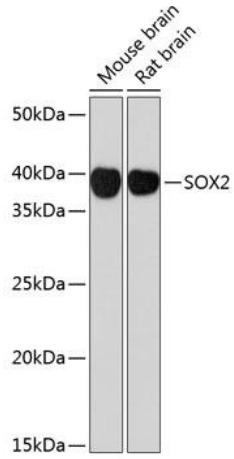
Storage:	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3. Store Bradford Reagent at Room Temperature for 1 Year.
Positive Sample:	Mouse brain, Rat brain, 293T

Recommended Dilutions:

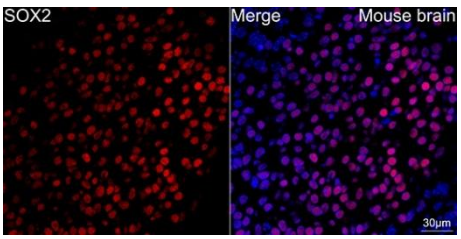
WB	1:1000 - 1:2000
IF-F	1:100 - 1:800
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

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 Rabbit mAb (CAB19118) 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: 90s.



Confocal imaging of mouse brain(frozen section) using Rabbit mAb (CAB19118,at dilution of 1:100) (Red). DAPI was used for nuclear staining (blue). Objective: 40x.Perform microwave antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol.