

[KO Validated] CSPG4 Antibody

CAB3592

Description

This [KO Validated] CSPG4 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:	CAB3592
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Polyclonal Antibody
Synonyms:	NG2, MCSP, MCSPG, MSK16, CSPG4A, HMW-MAA, MEL-CSPG, G4
Clone:	-
Applications:	WB IHC-P IF/ICC ELISA
Conjugation:	Unconjugated
Reactivity:	Human, Mouse, Rat

Antibody Data

Gene ID:	1464
Uniprot:	AB_2863096
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	250kDa-450kDa
Calculated MW:	251kDa

Preparation & Storage

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

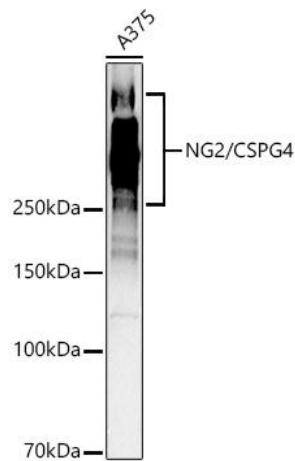
Store Bradford Reagent at Room Temperature for 1 Year.

Positive Sample: HeLa, A375, Mouse heart, Rat brain, Rat heart

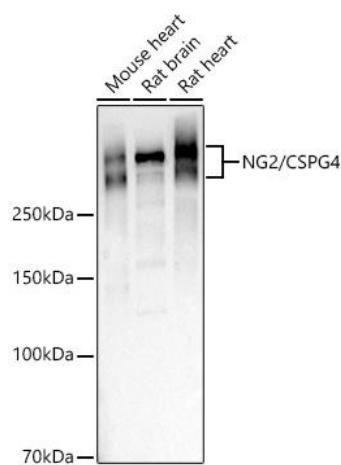
Recommended Dilutions:	WB	1:500 - 1:1000
	IHC-P	1:50 - 1:200
	IF/ICC	1:50 - 1:200
	ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

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

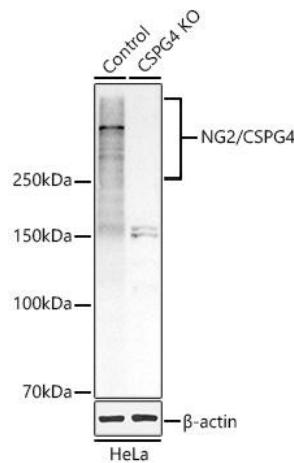
Validation Data



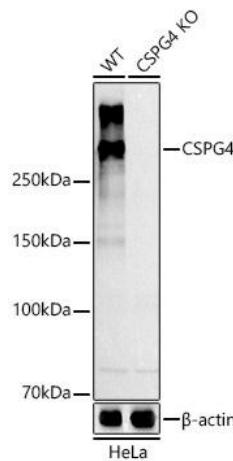
Western blot analysis of lysates from cells, using [KO Validated] /CSPG4 Rabbit pAb (CAB3592) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 10s.



Western blot analysis of various lysates using [KO Validated] /CSPG4 Rabbit pAb (CAB3592) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 180s.



Western blot analysis of lysates from wild type (WT) and /CSPG4 knockout (KO) HeLa cells, using [KO Validated] /CSPG4 Rabbit pAb (CAB3592) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 10s.



Western blot analysis of lysates from wild type(WT) and /CSPG4 Rabbit pAb knockout (KO) HeLa cells, using [KO Validated] /CSPG4 Rabbit pAb (CAB3592) at 1:600 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 30s.