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Product no AS22 4710

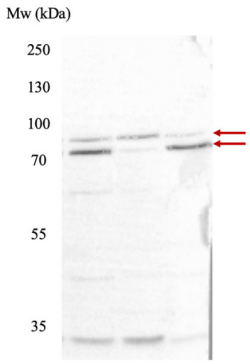
Anti-CUL4 | Cullin-4

Product information

Immunogen	KLH-conjugated peptide derived from *Arabidopsis thaliana* CUL4 protein sequence, UniProt: Q8LGH4, TAIR: At5g46210
Host	Rabbit
Clonality	Polyclonal
Purity	Antigen affinity purified serum, in PBS pH 7.4
Format	Lyophilized
Quantity	50 µg
Reconstitution	For reconstitution, add 50 µl of sterile or deionized water.
Storage	Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please, remember to spin tubes briefly prior to opening them to avoid any losses that might occur from lyophilized material adhering to the cap or sides of the tubes.

Application information

Recommended dilution	1 : 1000 (WB)
Expected | apparent MW	91.47 | kDa (due to N-terminal or C-terminal processing)
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Physcomitrium patens, Solanum lycopersicum, Zea mays* Species of your interest not listed? Contact us
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Selected references	To be added when available, antibody available in May 2025.



Samples (left to right: Col-0, csn5a-1 and csn5b-1)

Total proteins were extracted from the 14 days grown seedlings of Arabidopsis thaliana ecotype Col-0 and mutant csn5a-1 and csn5b-1 (T-DNA mutant SALK_063436 and SALK_007134, respectively) plants using Laemmli SDS sample buffer (2X): 65 mM Tris-HCL (pH 6.8), SDS (3%), glycerol (10%), bromophenol blue (0.005%) and 2-mercaptoethanol (0.5%, v/v). About 50 µg of each extract was denatured by boiling at 75°C for 5 mins. Samples were resolved on 10.0% SDS-PAGE gel and blotted for 3 hr on PVDF membrane using wet transfer at 4°C. The membrane was blocked with 5% skimmed milk for 1 hr at room temperature with mild rocking. The membrane was then incubated in the primary antibody at a dilution of 1:1000 in TBS-T at 4°C overnight with mild rocking. The antibody solution was discarded, and the membrane was washed 3 times for 15 mins each in TBS-T at room temperature with mild rocking. The membrane was then incubated in matching secondary antibody (anti-rabbit IgG HRP-conjugated) diluted to 1:10 000 in TBS- T for 1 hr at room temperature with mild rocking. The blot was washed as earlier and developed with the chemiluminescent detection reagent. Exposure time was adjusted to 30 sec.

Courtesy of Dr. Dhruv Agrawal, UPSC, Sweden