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Product no AS16 3110

Cp2 | Cysteine protease

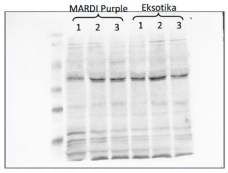
Product information

Immunogen	KLH-conjugated peptide derived from cysteine protease sequence of *Carica papaya* UniProt: H6USN1
Host	Rabbit
Clonality	Polyclonal
Purity	Total IgG. Protein G purified in PBS pH 7.4.
Format	Lyophilized
Quantity	50 µl
Reconstitution	For reconstitution add 50 µl of sterile water
Storage	Store lyophilized/reconstituted at -20°C; once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

Application information

Recommended dilution	1 : 1000 (WB)
Expected | apparent MW	51,4 | 40 kDa
Confirmed reactivity	*Carica papaya*
Predicted reactivity	*Cajanus cajan, Cicer arietinum, Cucumis sativus, Glycine soja, Gossypium hirsutum, Medicago truncatula, Phaseolus vulgaris, Trifolium pratense, Vicia sativa, Vigna radiata var. radiata* Species of your interest not listed? Contact us
Not reactive in	*Arabidopsis thaliana*

Application example



*Sample 1, 2 and 3 were from differently treated plants

Total proteins from *Carica papaya* cultivar Eksotika and MARDI Purple leaves were extracted using pre-cooled extraction buffer containing 50 mM phosphate buffer pH7 and protease inhibitor cocktail. 60 µg of total protein was blotted 1 h to PVDF using semi-dry transfer cell (BioRad, USA). Blots were blocked with 3% milk in PBST for overnight at 4°C with agitation. Blot was incubated in the primary antibody at a dilution of 1: 1 000 in 1% BSA/PBST for 3h at 4°C with agitation. The antibody solution was decanted and the blot was washed 3 times for 5 min each in PBS at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated, AS09 602, Agrisera) diluted to 1:20 000 in 1% BSA/PBST for 2 h at RT with agitation. The blot was washed as above and stained with Amplified Opti-4CN Substrate kit (BioRad, USA).
Apparent MW of Cp2 is 40 kDa.

Courtesy of Suhaina Supian, Malaysian Agricultural Research and Development Institute, Malaysia