

Host: Rabbit
Clonality: Polyclonal
Purity: Affinity purified serum in PBS, pH 7.4
Format: Lyophilized
Quantity: 50 µg
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 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.

Recomended dilution: 1: 500 to 1:1000 (WB)

Expected | apparent MW: 18.5 kDa

Confirmed reactivity: Arabidopsis thaliana

Predicted reactivity: Brassica pekinensis

Not reactive in: Hordeum vulgare, Oryza sativa, Pisum sativum, Populus sp., Solanum lycopersicum, Triticum aestivum

Additional information: This antibody detects well recombinant HY5 in Nicotiana benthamiana (image below). Urea buffer needs to be used when working with endogenous extract to allow detection with this antibody.

Application information

20 ug of total protein from control (1), 35S::YFP-HY5-HA (2, red arrow), 35S::YFP-HY5-HA + 35S::CFP-X protein (green arrow), were separated on 12% SDS-PAGE using tank transfer and blotted 1 h to PVDF (Biorad). Blots were blocked with 5% skim milk for 1h at room temperature (RT) with agitation. Blot was incubated in the anti-HY5 antibody (second panel from the left) at a dilution of 1:1000 for 1h at RT with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed once for 15 min and 3 times for 5 min. in PBS-T at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG, HRP conjugated from Agrisera, AS09 602), diluted to 1:10 000 for 1h at RT with agitation. The blot was washed as above and developed for 5 min. with chemiluminescent detection, according to the manufacturer’s instructions. Exposure time was 60 seconds.

Courtesy of Dr. Seok Keun Cho, University of Copenhagen, Danmark