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product **AS13 2710**

IPP isomerase | isopentyl pyrophosphate isomerase

product information

background	**IPP isomerase** (EC=5.3.3.2) is an enzyme which is catalyzing the reversible isomerization of IPP to produce dimethylallyl pyrophosphate, the initial substrate in the biosynthesis of carotenoids and many other long-chain isoprenoids.
immunogen	His-tagged recombinant fragment of *Haematococcus pluvialis* IPP, starting with residue 77, protein accession number AAC32208
antibody format	rabbit polyclonal serum lyophilized
quantity	50 µl 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.
tested applications	western blot (WB)
related products	
additional information	AS13 2709 | LYC | Lycopene beta cyclase, chloroplastic, rabbit antibody other antibodies to carotenoid biosynthesis pathway

application information

recommended dilution	1 : 500 - 1: 2500 with standard ECL (WB)
expected | apparent MW	33 kDa or 32 and 34 for *H. pluvialis*
confirmed reactivity	*Capsicum annuum, Pisum sativum, Haematococcus pluvialis* (green alga)
predicted reactivity	*Chlamydomonas reinhardtii, Volvox carteri*
not reactive in	no confirmed exceptions from predicted reactivity are currently known
additional information	
selected references	Sun et al. (1998). Differential expression of two isopentenyl pyrophosphate isomerases and enhanced carotenoid accumulation in a unicellular chlorophyte. PNAS, Vol. 95, pp. 11482–11488, September 1998.