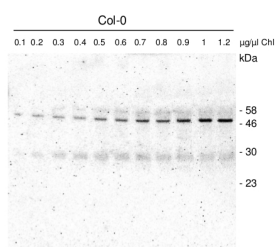


Product no **AS12 2117****Anti-VDR1 | Violaxanthin de-epoxidase-related protein****Product information**

<b>Immunogen</b>	Part of recombinant <i>Arabidopsis thaliana</i> VDR1 protein sequence UniProt: <a href="#">Q9SJ13</a> , TAIR: <a href="#">At2g21860</a> , excluding membrane spanning part
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Serum
<b>Format</b>	Lyophilized
<b>Quantity</b>	50 µl
<b>Reconstitution</b>	For reconstitution add 50 µl of sterile water
<b>Storage</b>	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**

<b>Recommended dilution</b>	1 : 1000 (WB)
<b>Expected   apparent MW</b>	59   52.86 kDa (minus a transit peptide)
<b>Confirmed reactivity</b>	<i>Arabidopsis thaliana</i>
<b>Predicted reactivity</b>	<i>Medicago truncatula</i> , <i>Populus balsamifera</i> , <i>Ricinus communis</i> , <i>Vitis vinifera</i> Species of your interest not listed? <a href="#">Contact us</a>
<b>Not reactive in</b>	No confirmed exceptions from predicted reactivity are currently known

**application example**

From 0.1-1.2 µg of chlorophyll from *Arabidopsis thaliana* total leaf extract, extracted with buffer A (330 mM sorbitol, 25 mM Tricine pH 7.8, 1 mM EDTA, 10 mM KCl, 0.15 % BSA, 4 mM Na ascorbat (L-ascorbic acid), 7 mM L-cysteine) were separated on 15 % SDS-PAGE gel and blotted 1h to PVDF. Blots were blocked with 10% skimmed non fat milk for 1h at room temperature (RT) with agitation. Blot was incubated in the primary antibody at a dilution of 1:1 000 over night at 4°C with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, and then washed once for 15 min and 3 times for 5 min in TBS-T at RT with agitation. Blot was incubated in secondary antibody (anti-rabbit IgG horse radish peroxidase conjugated, from Agrisera) diluted to 1:10 000 in TTBS for 1h at RT with agitation. The blot was washed as above and developed for 5 min with ECL according to the manufacturer's instructions. Exposure time was 1-3 min.

Courtesy of Dr. Rikard Fristedt, UCLA, USA.