

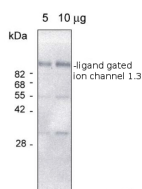
Product no **AS09 475****Ligand-gated ion channel 1,3****Product information****Immunogen** | KLH-conjugated synthetic peptide derived from *Arabidopsis thaliana* UniProt: [Q9FH75](#), TAIR: [At5g48410](#)**Host** | Rabbit**Clonality** | Polyclonal**Purity** | Serum**Format** | Lyophilized**Quantity** | 100 µl**Reconstitution** | For reconstitution add 100 µl of sterile water**Storage** | Store lyophilized/reconstituted at -20°C; 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.**Additional information** | 0.1 % sodium azide is added as preservative. For antibody re-suspending information check the tube label.

Antibodies will detect target protein in a few µg of a crude preparation loaded per well. If purified preparations of vacuolar and plasma membranes are used, one µg load per well should be sufficient.

This protein is expressed in low levels in plant tissues.

**Application information****Recommended dilution** | 1 : 8000 (ELISA), 1 : 2000 (WB)**Expected | apparent MW** | 97 | 100 kDa**Confirmed reactivity** | *Arabidopsis thaliana*, *Raphanus sativus***Predicted reactivity** | Species of your interest not listed? [Contact us](#)**Not reactive in** | No confirmed exceptions from predicted reactivity are currently known**Additional information** | Protein or membrane sample should be treated at 70°C for 10 min before loading on the gel.

Diluted antibody solution can be used 2 to 3 times within one month if it contains 0.1 % sodium azide as preservative and is stored at -20°C to -80°C.

**Application example**

**5 µg and 10 µg of vacuolar membrane fraction/lane** from *Raphanus sativus* were separated on 12 % **SDS-PAGE** and blotted 1h to **PVDF membrane** (40 min. at 10 V using BioRad semidry transfer). Filters were blocked 1h with 5 % low-fat **milk powder** in TBS-T (0.05% Triton X.100). Membranes were washed 5 times with TBS-T, each time in a fresh polystyrene box and probed with anti-ligand-gated ion channel antibodies (AS09 475, **1:1000**, 1h) and secondary anti-rabbit (**1:2000**, 1 h). All steps were performed in RT with agitation.