Agrisera
Part of Olink® Group

This product is **for research use only** (not for diagnostic or therapeutic use) **contact: support@agrisera.com**

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | www.agrisera.com

Product no AS09 516

AKT1 | Potassium channel AKT1

Product information

Immunogen	KLH-conjugated peptide derived from *Arabidopsis thaliana* AKT1 Q38998 , At2g26650
Host	Rabbit
Clonality	Polyclonal
Purity	Immunogen affinity purified serum in PBS pH 7.4.
Format	Lyophilized
Quantity	200 µg
Reconstitution	For reconstitution add 100 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.
Additional information	For detection images please, refer to the publication belowAntibody detects native and recombinant AKT1

Application information

Recommended dilution	1 : 50 with 125I (WB)
Expected | apparent MW	96.9 kDa
Confirmed reactivity	*Arabidopsis thaliana*
Predicted reactivity	*Arabidopsis thaliana*
Not reactive in	No confirmed exceptions from predicted reactivity are currently known
Additional information	In the work of Honsbein et al, 125I has been used for detection of KC1 since this was the only way to get enough signal after 2-phase partitioning, ECL+ has been used with the protein after expression in Sf9 insect cells (1: 1000 primary antibody dilution) and in yeast with no problem (single band detected), but these are relatively high expression systems, In native plant material ion channels are expressed in ridiculously small quantities (a few hundred proteins per cell)
Selected references	Safiarian et al. (2015). Lost in traffic? The K+ channel of lily pollen, LilKT1, is detected at the endomembranes inside yeast cells, tobacco leaves and lily pollen. Front. Plant Sci. | doi: 10.3389/fpls.2015.00047. Honsbein et al. (2009). A tripartite SNARE-K+ channel complex mediates in channel-dependent K+ nutrition in Arabidopsis. The Plant Cell 21:2859-2877.