

## Product Datasheet

### Anti-TRPV4 Antibody (orb215251)

<b>Description</b>	Rabbit polyclonal antibody to TRPV4
<b>Species/Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Porcine, Rat
<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	IF, WB
<b>Immunogen</b>	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human TRPV4. The exact sequence is proprietary.
<b>Target</b>	TRPV4
<b>Preservatives</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
<b>Form/Appearance</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Clonality</b>	Polyclonal
<b>Antibody Type</b>	Primary Antibody
<b>Source</b>	Rabbit
<b>Uniprot ID</b>	<b>Q9EPK8, Q9HBA0, Q9ERZ8</b>
<b>Entrez</b>	<b>66026, 63873, 59341</b>
<b>Dilution Range</b>	WB: 1-500-1-1000

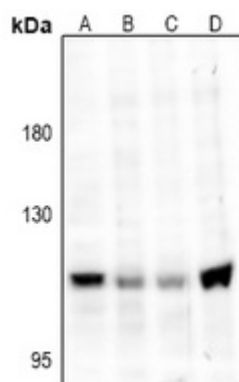
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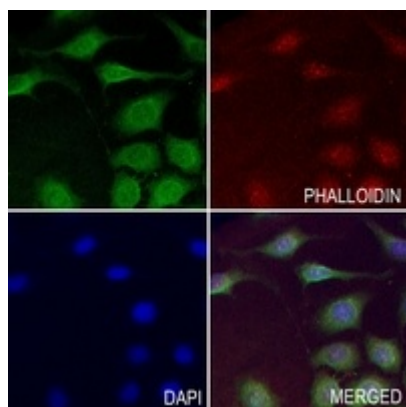
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**Expiration Date** 12 months from date of receipt.



Western blot analysis of TRPV4 expression in A375 (A), PC3 (B), 3T3L1 (C), H9C2 (D) whole cell lysates. (Predicted band size: 98 kD; Observed band size: 110 kD)



Immunofluorescent analysis of TRPV4 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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