

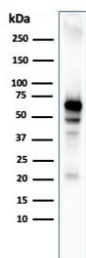
Recombinant AKT1 Antibody [clone AKT1/3898R] (V8442)

Catalog No.	Formulation	Size
V8442-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8442-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8442SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

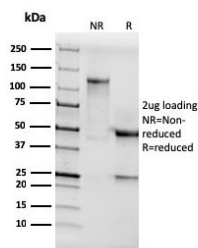
Recombinant **RABBIT MONOCLONAL**

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	AKT1/3898R
Purity	Protein A affinity chromatography
UniProt	P31749
Localization	Nuclear, cytoplasmic, cell surface
Applications	Western Blot : 1-2ug/ml ELISA : order Ab without BSA for coating
Limitations	This recombinant AKT1 antibody is available for research use only.



Western blot testing of human MCF7 cell lysate with recombinant AKT1 antibody.
Predicted molecular weight ~56 kDa.



SDS-PAGE analysis of purified, BSA-free recombinant AKT1 antibody (clone AKT1/3898R) as confirmation of integrity and purity.

Description

Recognizes a protein of 62kDa, which is identified as AKT1. The serine/threonine kinase Akt family contains several members, including Akt1 (also designated PKB or RacPK), Akt2 (also designated PKB tyrosine residues 740 and 751, which bind the subunit of the phosphatidylinositol 3-kinase (PI 3-kinase) complex. Activation of Akt1 by insulin or insulin-growth factor-1 (IGF-1) results in phosphorylation of both Thr 308 and Ser 473. Akt proteins become phosphorylated and activated in insulin/IGF-1-stimulated cells by an upstream kinase(s), and the activation of Akt1 and Akt2 is inhibited by the PI kinase inhibitor wortmannin.

Application Notes

Optimal dilution of the recombinant AKT1 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 85-189 from the human protein was used as the immunogen for the recombinant AKT1 antibody.

Storage

Store the recombinant AKT1 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).