

Rabbit anti-AKT-1 (phospho S473)

Cat. No. and Size:	501-13450: 0.1 ml immunogen affinity purified rabbit polyclonal antibody in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide. 501-13452: 0.51 ml immunogen affinity purified rabbit polyclonal antibody in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide. 501-13454: 1.0 ml immunogen affinity purified rabbit polyclonal antibody in PBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide. 501-13451: 7 ml pre-diluted immunogen affinity purified rabbit polyclonal antibody in TBS/1% BSA buffer pH 7.6 with less than 0.1% sodium azide.
Intended Use:	For research use only. Not for use in diagnostic procedures.
Clone:	N/A (polyclonal)
Immunogen:	Synthetic peptide derived from the region of human AKT-1 that contains phosphorylated serine 473.
Ig Isotype:	Rabbit IgG
Epitope:	Not determined
Molecular Weight:	60 kDa
Species Reactivity:	Human (tested). Bovine, Frog, Mouse and Rat (by sequence homology). Others not tested.
Description:	The serine threonine protein kinase encoded by the AKT1 gene is catalytically inactive in serum starved primary and immortalized fibroblasts. AKT1 and the related AKT2 are activated by platelet derived growth factor. The activation is rapid and specific. In the developing nervous system AKT is a critical mediator of growth factor induced neuronal survival. Survival factors can suppress apoptosis in a transcription independent manner by activating the serine/threonine kinase AKT1, which then phosphorylates and inactivates components of the apoptotic machinery. The antibody labels activated AKT-1 that is phosphorylated at 473 serine residue. Multiple alternatively spliced transcript variants have been found for this gene (referenced from entrez gene).
Applications:	Immunohistochemistry (IHC) on formalin-fixed, paraffin-embedded tissue sections
IHC Procedure:	Antibody Dilution: If using the concentrate format of this product, dilute the antibody 1:25. The dilutions are estimates; actual results may differ because of variability in methods and protocols. Antigen Retrieval: Boil tissue section in 10mM citrate buffer, pH 6.0 for 10 min followed by cooling at room temperature for 20 min. Primary Antibody Incubation: Incubate for 30 minutes at RT.
IHC Positive Control:	Breast carcinoma
Cellular Localization:	Cytoplasm, nucleus

Storage and Stability

Store at 2-8°C. Do not freeze. The user must validate any other storage conditions. Every antibody is expiration dated. When properly stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date. There are no definitive signs to indicate instability of this product; therefore, positive and negative controls should be tested simultaneously with unknown specimens.






- For Research Use Only -

January 16, 2015

Rev: A1015

Doc: 501-13450_13452_13454_13451

Explanation of the symbols on the product label:

REF	Bestellnummer Catalog Number Reference du catalogue		Verwendbar bis Use By Utiliser jusque		Gebrauchsanweisung beachten Consult Instructions for use Consulter les instructions d'utilisation
LOT	Chargenbezeichnung Batch Code Code du lot		Lagerungstemperatur Temperature Limitation Limites de température	RUO	Nur für Forschungszwecke For Research Use Only Pour la recherche uniquement
IVD	In vitro Diagnostikum In Vitro Diagnostic Medical Device Dispositif médical de diagnostic in vitro		Achtung Warning Attention		Hersteller / Manufacturer / Fabricant Zytomed Systems GmbH • Anhaltinerstraße 16 14163 Berlin, Germany • Tel: (+49) 30-804 984 990 www.zytomed-systems.de

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