Anti-AKT1 antibody (Internal) (STJ73595)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	Pep-ELISA/WB/IF/FC
Host / Source	Goat
Reactivity	Human/Mouse

PRODUCT PROPERTIES

Clonality	Polyclonal
Concentration	0.5 mg/mL
Conjugation	Unconjugated
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Dilution Range	Peptide ELISA: antibody detection limit dilution 1:32000. WB: Approx 60kDa band observed in MCF7 cell lysates and approx. 55kDa in preliminary testing of K562 and NIH3T3 cell lysate (calculated MW of 55.7kDa according to NP_005154.2). These molec
Formulation	0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. NA
Isotype	IgG
Storage Instruction	Store at-20°C on receipt and minimise freeze-thaw cycles.

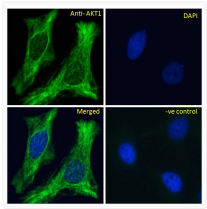
TARGET INFORMATION

Gene ID	207
Gene Symbol	AKT1
UniProt ID	AKT1_HUMAN
Immunogen Region	Internal
Immunogen Sequence	QDVDQREAPLN
Specificity	All variants represent identical protein (NP_005154.2, NP_001014431.1, NP_001014432.1). This antibody is NOT expected to cross-react with AKT2. It may recognize AKT1 in Rat and Dog.

ADDITIONAL INFORMATION

Note	STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.

STJ73595 (0. 3μg/ml) staining of MCF7 cell lysate (35μg protein in RIPA buffer). Detected by chemiluminescence.



STJ73595 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0. 15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml) , showing Microtubule/cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).