Anti-AKT1 antibody (350-480) (STJ112889)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

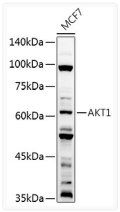
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IHC-P:1:50-1:200 IF/ICC:1:50-1:100 ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.05% Proclin300, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 56kDa Observed Mw: 60kDa
Storage Instruction	Store at-20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

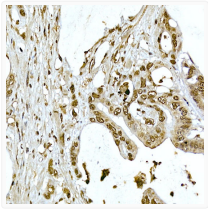
Gene ID	207
Gene Symbol	AKT1
UniProt ID	AKT1_HUMAN
Immunogen Region	350-480
Immunogen Sequence	YNQDHEKLFELILMEEIRFP RTLGPEAKSLLSGLLKKDPK QRLGGGSEDAKEIMQHRFFA GIVWQHVYEKKLSPPFKPQV TSETDTRYFDEEFTAQMITI TPPDQDDSMECVDSERRPHF PQFSYSASGTA
Specificity	A synthetic peptide corresponding to a sequence within amino acids 350-480 of human AKT1 (NP_005154.2).

ADDITIONAL INFORMATION

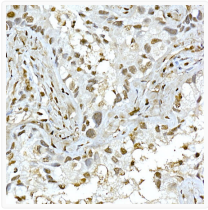
Note	STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



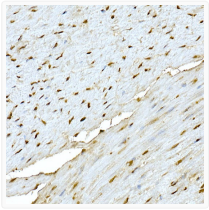
Western blot analysis of extracts of MCF7 cells, using AKT1 antibody (STJ112889) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.



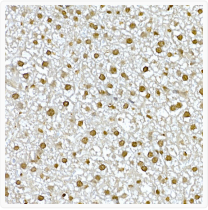
Immunohistochemistry analysis of paraffin-embedded human colon carcinoma using AKT1 rabbit polyclonal antibody (STJ112889) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6. 0 before commencing with immunohistochemistry staining protocol.



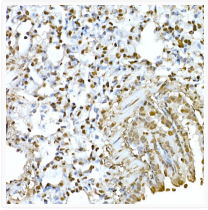
Immunohistochemistry analysis of paraffin-embedded human lung cancer using AKT1 rabbit polyclonal antibody (STJ112889) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6. 0 before commencing with immunohistochemistry staining protocol.



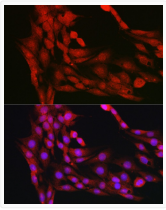
Immunohistochemistry analysis of paraffin-embedded mouse heart using AKT1 rabbit polyclonal antibody (STJ112889) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6. 0 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded mouse liver using AKT1 rabbit polyclonal antibody (STJ112889) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6. 0 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat lung using AKT1 rabbit polyclonal antibody (STJ112889) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6. 0 before commencing with immunohistochemistry staining protocol.



Immunofluorescence analysis of PC-12 cells using AKT1 rabbit polyclonal antibody (STJ112889) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.