For Research Use Only

CoraLite®488-conjugated AKT Monoclonal antibody

Catalog Number: CL488-60203

Featured Product

3 Publications



Purification Method:

Protein G purification

Recommended Dilutions:

Excitation/Emission maxima

IF/ICC 1:50-1:500

wavelengths: 491 nm / 516 nm

CloneNo.:

2C5D1

Basic Information

Catalog Number: GenBank Accession Number:

CL488-60203 BC000479
Size: GeneID (NCBI):

100ul , Concentration: 1000 ug/ml by 207

Nanodrop; UNIPROT ID: Source: P31749

Mouse Full Name:

Isotype:v-akt murine thymoma viralIgG1oncogene homolog 1

Immunogen Catalog Number: Calculated MW: AG16695 Calculated MW:

Positive Controls:

IF/ICC : MCF-7 cells,

Applications

Tested Applications:

IF/ICC

Cited Applications:

WB

Species Specificity: human, mouse, rat Cited Species: human, mouse

Background Information

The serine-threonine protein kinase AKT1 is catalytically inactive in serum-starved primary and immortalized fibroblasts. 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. This antibody detects all the members of AKT with/without phospho-modification. This antibody is CL488(Ex/Em 488 nm/515 nm) conjugated.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhixiong Liu	35143418	J Clin Invest	WB
Zhen Tian	39725710	Commun Eng	
Xin Zhou	36243809	Cell Death Discov	WB

Storage

Storage:

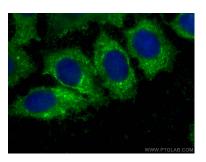
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using CoraLite® 488 AKT antibody (CL488-60203, Clone: 2C5D1) at dilution of 1:200.