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**Product Name: 14-3-3 sigma (5P11) Rabbit Monoclonal Antibody****Catalog #: AMRe06276**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,IF-P
<b>Reactivity</b>	Human,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.5mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:200-1:500,IF-P 1:200-1:500
<b>Molecular Weight</b>	28kDa

**Antigen Information**

<b>Gene Name</b>	SFN
<b>Alternative Names</b>	14 3 3 protein; Epithelial cell marker protein 1; HME 1; Mkrn3; Mme1; SFN protein; Stratifin; YWHAS;
<b>Gene ID</b>	2810.0
<b>SwissProt ID</b>	P31947
<b>Immunogen</b>	A synthetic peptide of human 14-3-3 sigma

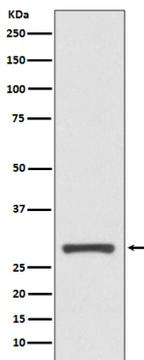
**Background**

Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways. Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif. Binding generally results in the modulation of the activity of the binding partner. When bound to KRT17, regulates protein synthesis and epithelial cell growth by stimulating Akt/mTOR pathway. Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways. Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif. Binding generally results in the modulation of the activity of the binding partner. When bound to KRT17, regulates protein synthesis and epithelial cell growth by stimulating Akt/mTOR pathway. May also regulate MDM2 autoubiquitination and degradation and thereby activate p53/TP53.

## Research Area

Cell\_Cycle\_G1S;Cell\_Cycle\_G2M\_DNA;p53;Aldosterone-regulated sodium reabsorption;

## Image Data



Western blot analysis of 14-3-3 sigma expression in A431 cell lysate.