Datasheet for ABIN5027003

anti-14-3-3 theta antibody (AA 20-225)

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Overview

Quantity:	100 µg
Target:	14-3-3 theta (YWHAQ)
Binding Specificity:	AA 20-225
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This 14-3-3 theta antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	A partial length recombinant 14-3-3 protein (amino acids 20-225) was used as the immunogen for this antibody.
Isotype:	IgG
Purification:	Protein A Chromatography

Target Details

Target:	14-3-3 theta (YWHAQ)
Alternative Name:	YWHAQ (YWHAQ Products)
Background:	YWHAQ, also known as 14-3-3 tau (14-3-3tau) is a a phosphoserine-binding protein and a member of the 14-3-3 family of proteins. The 14-3-3 family members are dimeric phosphoserine/ phosphothreonine-binding proteins, which are involved in a very diverse

Target Details

	spectrum of signaling pathways. YWHAQ plays a critical role in the regulation of E2F1 stability. It binds to Ser31-phosphorylated E2F1 and inhibits the ubiquitination of E2F1 during DNA damage. The binding of YWHAQ to E2F1 interferes with the function of an E31 ligase and therefore inhibits the ubiquitination and degradation of E2F1. This interaction is required for the expression and induction of several E2F1 apoptotic target genes as well as apoptosis during DNA damage.
Molecular Weight:	29 kDa
Gene ID:	10971
UniProt:	P27348
Pathways:	Apoptosis, Myometrial Relaxation and Contraction

Application Details

Application Notes:	WB: 2-4 µg/mL
Restrictions:	For Research Use only

Handling

Concentration:	0.5 mg/mL
Buffer:	PBS containing 0.05 % BSA, PH 7.4
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

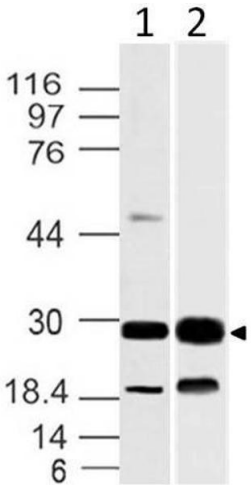

Image 1.