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Datasheet for ABIN7152454  
**anti-FBX09 antibody (AA 13-111) (HRP)**

### Overview

Quantity:	100 µg
Target:	FBX09
Binding Specificity:	AA 13-111
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FBX09 antibody is conjugated to HRP
Application:	ELISA

### Product Details

Immunogen:	Recombinant Human F-box only protein 9 protein (13-111AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

### Target Details

Target:	FBX09
Alternative Name:	FBX09 ( <a href="#">FBX09 Products</a> )
Background:	Background: Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent

## Target Details

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proteasomal degradation of TTI1 and TEO2 in a CK2-dependent manner, thereby directly regulating mTOR signaling. SCF(FBX09) recognizes and binds mTORC1-bound TTI1 and TEO2 when they are phosphorylated by CK2 following growth factor deprivation, leading to their degradation. In contrast, the SCF(FBX09) does not mediate ubiquitination of TTI1 and TEO2 when they are part of the mTORC2 complex. As a consequence, mTORC1 is inactivated to restrain cell growth and protein translation, while mTORC2 is activated due to the relief of feedback inhibition by mTORC1.

Aliases: Cross-immune reaction antigen 1 antibody, dJ341E18.2 antibody, DKFZp434C0118 antibody, F-box only protein 9 antibody, Fbp24 antibody, FBX09 antibody, FBX9 antibody, FBX9\_HUMAN antibody, Fbxo9 antibody, KIAA0936 antibody, NY REN 57 antibody, OTTHUMP00000016628 antibody, OTTHUMP00000016629 antibody, OTTHUMP000000214588 antibody, Renal carcinoma antigen NY-REN-57 antibody, VCIA1 antibody

UniProt: [Q9UK97](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.