

Datasheet for ABIN760918  
**anti-FBXW7 antibody (Biotin)**



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## Overview

Quantity:	100 µL
Target:	FBXW7
Reactivity:	Human, Mouse, Rat, Dog, Cow, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FBXW7 antibody is conjugated to Biotin
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human FBW7
Isotype:	IgG
Cross-Reactivity:	Cow, Dog, Human, Mouse, Pig, Rat
Purification:	Purified by Protein A.

## Target Details

Target:	FBXW7
Alternative Name:	FBW7 ( <a href="#">FBXW7 Products</a> )
Background:	Synonyms: AGO, Archipelago homolog, Archipelago, Drosophila, homolog of antibody CDC4, DKFZp686F23254, F box and WD 40 domain protein 7 archipelago homolog, Drosophila, F box and WD 40 domain protein 7, F box and WD repeat domain containing 7, F box protein FBW7, F box protein FBX30, F box protein SEL10, F-box and WD-40 domain-containing protein 7, F-box

## Target Details

protein FBX30, F-box/WD repeat-containing protein 7, FBW6, FBW7, FBX30, FBXO30, FBXW6, FBXW7, FBXW7\_HUMAN, FLJ16457, hAgo, hCdc4, Homolog of C elegans sel 10, Homolog of C.elegans sel10, SEL-10, SEL10.

Background: Fbw7 is a member of the F box protein family which are characterized by an approximately 40 amino acid motif, the F box. The F box proteins constitute one of the four subunits of ubiquitin protein ligase complex called SCFs (SKP1-cullin-F box), which function in phosphorylation-dependent ubiquitination. The F box proteins are divided into 3 classes: Fbws containing WD40 domains, Fbls containing leucine rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. Fbw7 belongs to the Fbws class, in addition to an F box, this protein contains 7 tandem WD40 repeats. It binds directly to cyclin E and probably targets cyclin E for ubiquitin mediated degradation. Mutations of this gene are detected in ovarian and breast cancer cell lines. Alternative splicing of this gene generates 2 transcript variants diverging at the 5' termini.

Molecular Weight: 69/110kDa

Gene ID: 55294

Pathways: [Notch Signaling](#), [EGFR Signaling Pathway](#)

## Application Details

Application Notes: WB(1:100-500)  
Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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: -20 °C

Handling

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Storage Comment: Store at -20°C for 12 months.

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Expiry Date: 12 months