**Product Name:** **KD-Validated F-Box Protein 11 Mouse Monoclonal Antibody**
**Catalog #:** **KVAb01705**
For research use only.

## Summary

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|---|---|
| **Description** | KO&KD-Validated antibody |
| **Host** | Mouse |
| **Application** | WB,FCM |
| **Reactivity** | Human,Mouse,Rat |
| **Conjugation** | Unconjugated |
| **Modification** | Unmodified |
| **Isotype** | Mouse IgG1 |
| **Clonality** | Mouse mAb |
| **Form** | Liquid |
| **Storage** | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| **Shipping** | Ice bags |
| **Buffer** | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide. |
| **Purification** | Affinity purification |

## Application

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|---|---|
| **Dilution Ratio** | WB 1:2,500-1:5,000; FC 1:200-1:2,000 |
| **Molecular Weight** | Calculated MW: 103.6kDa |

## Antigen Information

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|---|---|
| **Gene Name** | FBXO11 |
| **Alternative Names** | FBXO11; F-Box Protein 11; FBX11; F-Box Only Protein 11; UBR6; Ubiquitin Protein Ligase E3 Component N-Recognin 6; Protein Arginine N-Methyltransferase 9; Vitiligo-Associated Protein 1; PRMT9; VIT1; Vitiligo-Associated Protein VIT-1; UG063H01; IDDFBA; VIT-1 |
| **Gene ID** | 80204.0 |
| **SwissProt ID** | Q86XK2 |
| **Immunogen** | Recombinant protein of human FBXO11 |

## Background

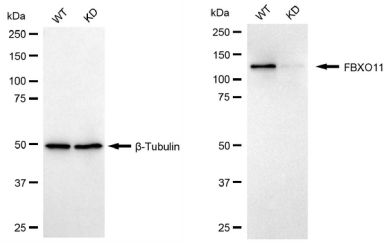
This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box),

which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbxs class. It can function as an arginine methyltransferase that symmetrically dimethylates arginine residues, and it acts as an adaptor protein to mediate the neddylation of p53, which leads to the suppression of p53 function. This gene is known to be down-regulated in melanocytes from patients with vitiligo, a skin disorder that results in depigmentation. Polymorphisms in this gene are associated with chronic otitis media with effusion and recurrent otitis media (COME/ROM), a hearing loss disorder, and the knockout of the homologous mouse gene results in the deaf mouse mutant Jeff (Jf), a single gene model of otitis media. Alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jun 2010]

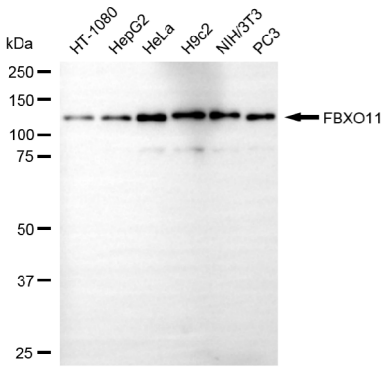
## Research Area

Cell Biology

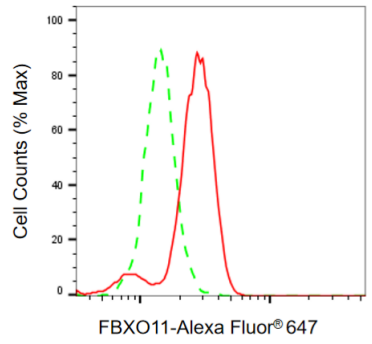
## Image Data




Western blotting analysis using FBXO11 antibody (KVAb01705). FBXO11 expression in wild-type (WT) and FBXO11 knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with FBXO11 antibody (KVAb01705, 1:1,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.




Western blotting analysis using FBXO11 antibody (KVAb01705). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with FBXO11 antibody (KVAb01705, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.




Flow cytometric analysis of FBXO11 expression in HeLa cells using FBXO11 antibody (KVAb01705, 1:2,000). Green, isotype control; red, FBXO11.