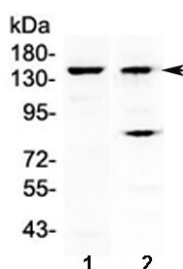


## FBXL11 Antibody / KDM2A (RQ4120)

Catalog No.	Formulation	Size
RQ4120	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse
<b>Predicted Reactivity</b>	Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	Q9Y2K7
<b>Applications</b>	Western Blot : 0.5-1ug/ml
<b>Limitations</b>	This FBXL11 antibody is available for research use only.



Western blot testing of 1) mouse liver and 2) human A431 lysate with FBXL11 antibody at 0.5ug/ml. Predicted molecular weight ~133 kDa.

## Description

Lysine-specific demethylase 2A (KDM2A) also known as F-box and leucine-rich repeat protein 11 (FBXL11) is an enzyme that in humans is encoded by the KDM2A gene. 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 Fbls class and, in addition to an F-box, contains at least six highly

degenerated leucine-rich repeats. This family member plays a role in epigenetic silencing. It nucleates at CpG islands and specifically demethylates both mono- and di-methylated lysine-36 of histone H3. Alternative splicing results in multiple transcript variants.

## Application Notes

Optimal dilution of the FBXL11 antibody should be determined by the researcher.

## Immunogen

Amino acids KRTFDLEEKLTNKNANFVTFMEGKDFNVEYIQR from the human protein were used as the immunogen for the FBXL11 antibody.

## Storage

After reconstitution, the FBXL11 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.