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**[ Primary Antibody ]**

# Rabbit Anti-FAM83G antibody

**Catalog Number: SL16017R**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

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| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | FAM83G |
| **Immunogen:** | KLH conjugated synthetic peptide derived from human FAM83G: 731-823/823 |
| **Purification:** | affinity purified by Protein A |
| **Concentration:** | 1mg/ml |
| **Storage:** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. |
| **Applications:** | IHC-P=1:100-500<br>IHC-F=1:100-500<br>ICC/IF=1:100-500<br>IF=1:100-500<br>ELISA=1:5000-10000 （Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | (predicted: Human, Mouse, Rat, Cow, Horse, Rabbit) |
| **Predicted MW.:** | 91kDa |
| **Subcellular Location:** | The nucleus cytoplasmic |
| **Background:** | Chromosome 17 makes up over 2.5% of the human genome with about 81 million bases encoding over 1,200 genes. Two key tumor suppressor genes are associated with chromosome 17, namely, p53 and BRCA1. Tumor suppressor p53 is necessary for maintenance of cellular genetic integrity by moderating cell fate through DNA repair versus cell death.<br>Malfunction or loss of p53 expression is associated with malignant cell growth and Li-Fraumeni syndrome. Like p53, BRCA1 is directly involved in DNA repair, though specifically it is recognized as a genetic determinant of early onset breast cancer and predisposition to cancers of the ovary, colon, prostate gland and fallopian tubes. Chromosome 17 is also linked to neurofibromatosis, |

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| | a condition characterized by neural and epidermal lesions, and dysregulated Schwann cell growth.<br>Alexander disease, Birt-Hogg-Dube syndrome and Canavan disease are also associated with chromosome 17. The FAM83G gene product has been provisionally designated FAM83G pending further characterization.<br>**Similarity:** Belongs to the FAM83 family.<br>**Database links:**<br>**Entrez Gene:** 644815 Human<br>**SwissProt:** A6ND36 Human<br>**Unigene:** 710727 Human |

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