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**[ Primary Antibody ]**

# Rabbit Anti-C2orf16 antibody

**Catalog Number: SL15147R**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

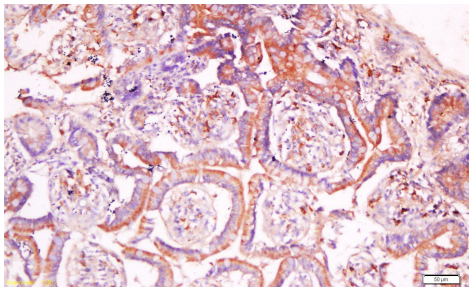
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|---|---|
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Target:** | C2orf16 |
| **Immunogen:** | KLH conjugated synthetic peptide derived from human C2orf16: 1901-1984/1984 |
| **Purification:** | affinity purified 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>IF=1:100-500 （Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Reactivity:** | Human |
| **Predicted MW.:** | 224kDa |
| **Subcellular Location:** | The nucleus Extracellular matrix |
| **Background:** | C2orf16 (chromosome 2 open reading frame 16), also known as DKFZp434G118 or DKFZp781D2023, is a 1,984 amino acid protein encoded by a gene that maps to human chromosome 2p23.3. As the second largest human chromosome, chromosome 2 makes up approximately 8% of the human genome and contains 237 million bases encoding over 1,400 genes. A number of genetic diseases are linked to genes on chromosome 2.<br>Harlequin icthyosis, a rare skin deformity, is associated with mutations in the ABCA12 gene. The lipid metabolic disorder sitosterolemia is associated with ABCG5 and ABCG8. An extremely rare recessive genetic disorder, Alström syndrome, is related to mutations in the ALMS1 gene.<br>Chromosome 2 contains a probable vestigial second centromere as well as vestigial telomeres, which gives credence to the hypothesis that human |

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

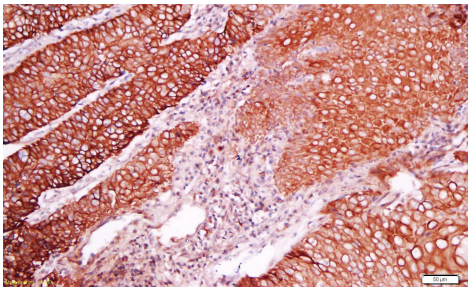
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|---|---|
| | chromosome 2 formed as a result of an ancient fusion of two ancestral chromosomes, which are still present in modern day apes.<br>**Database links:**<br>**Entrez Gene:** 84226 Human<br>**SwissProt:** Q68DN1 human |

## [ VALIDATION IMAGES ]



Tissue/cell: human colon cancer; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer ( 1M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-C2orf16 Polyclonal Antibody, Unconjugated(SL15147R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human laryngo carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer ( 1M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-C2orf16 Polyclonal Antibody, Unconjugated(SL15147R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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