

## Product datasheet for **TA351435**

### CCDC19 (CFAP45) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 25-100 Positive control: Human liver cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human CFAP45
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	cilia and flagella associated protein 45
Database Link:	<a href="#">NP_036469</a> <a href="#">Entrez Gene 25790 Human</a> <a href="#">Q9UL16</a>



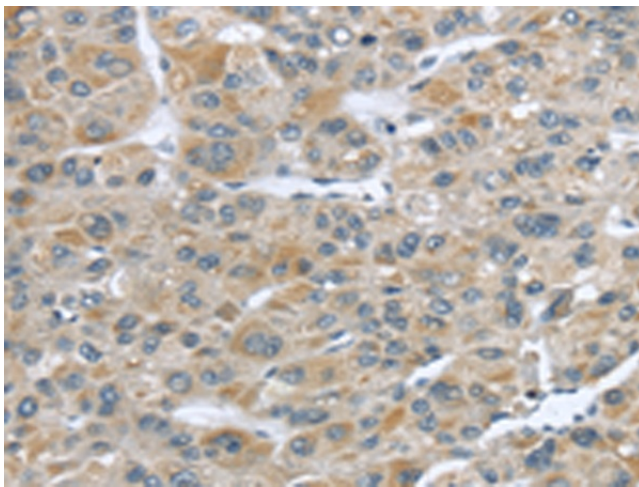
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**Background:**

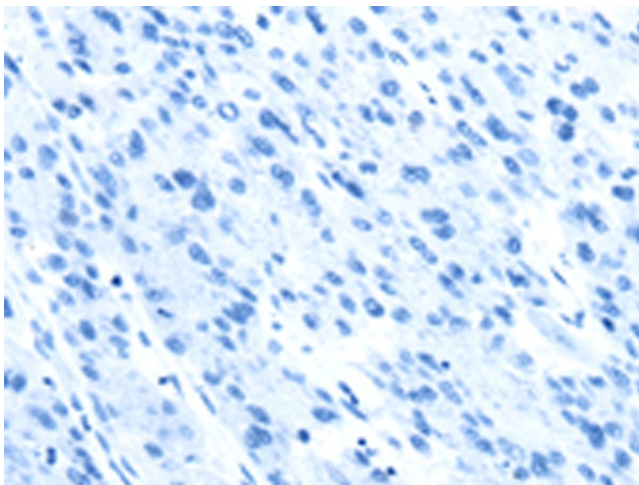
CCDC19 is a 466 amino acid protein encoded by a gene mapping to human chromosome 1. Chromosome 1 is the largest human chromosome, spanning about 260 million base pairs and making up 8% of the human genome. There are about 3,000 genes on chromosome 1 and, considering the great number of genes, there are also a large number of diseases associated with chromosome 1. Notably, the rare aging disease Hutchinson-Gilford progeria is associated with the LMNA gene which encodes Lamin A. When defective, the LMNA gene product can build up in the nucleus and cause characteristic nuclear blebs. The mechanism of rapidly enhanced aging is unclear and is a topic of continuing exploration. The MUTYH gene is located on chromosome 1 and is partially responsible for familial adenomatous polyposis. Stickler syndrome, Parkinson's, Gaucher disease and Usher syndrome are also associated with chromosome 1.

**Synonyms:**

CCDC19; NESG1

**Product images:**

Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA351435 (CFAP45 Antibody) at dilution 1/25 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA351435 (CFAP45 Antibody) at dilution 1/25, treated with synthetic peptide. (Original magnification: x200)