

**Mouse Anti-IMP3/KOC/L523S/IGF2BP3 [MD123]: MC0426, MC0426RTU7**

**Intended Use:** For Research Use Only

**Description:** Insulin-like growth factor-II messenger RNA (mRNA)-binding protein-3 (IMP-3), also known as K homology domain-containing protein overexpressed in cancer (KOC) and L523S, is a member of the insulin-like growth factor-II mRNA-binding protein family and is expressed during embryogenesis and in some malignancies. IMP-3 is expressed in malignant melanoma but not in benign nevi, even when dysplastic features are present; IMP-3 is expressed in a significantly higher proportion of melanomas than Spitz nevi; and IMP-3 is expressed in metastatic melanomas significantly more than in thin melanomas. IMP-3 appears to be involved in the progression of malignant melanoma and may play an important role in the regulation of the biologic behavior of this tumor.

**Specifications**

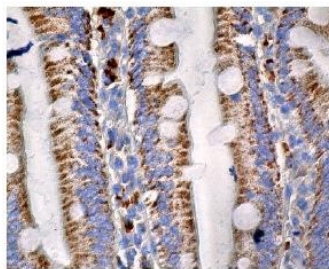
Clone: MD123  
Source: Mouse  
Isotype: IgG2b/k  
Reactivity: Human  
Immunogen: Human IMP3 near the N-terminus peptide aa 149-180  
Localization: Cytoplasm  
Formulation: Antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>)  
Storage: Store at 2°- 8°C  
Applications: IHC, ELISA, IF, IP, WB  
Package:

Description	Catalog No.	Size
IMP3/KOC/L523S/IGF2BP3 Concentrated	MC0426	1 ml
IMP3/KOC/L523S/IGF2BP3 Prediluted	MC0426RTU7	7 ml

**IHC Procedure\***

Positive Control Tissue: Placenta, prostate cancer  
Concentrated Dilution: 50-200  
Pretreatment: Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
Incubation Time and Temp: 30-60 minutes @ RT  
Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.



FFPE human duodenum tissue stained with anti-IMP3 using DAB

**References:**

1. Autoantibody detection to tumor-associated antigens of P53, IMP1, P16, cyclin B1, P62, C-myc, Survivin, and Koc for the screening of high-risk subjects and early detection of esophageal squamous cell carcinoma. Zhou SL, et al. Dis Esophagus. 2013 Oct 21.
2. Value of Glut-1 and Koc markers in the differential diagnosis of reactive mesothelial hyperplasia, malignant mesothelioma and pulmonary adenocarcinoma. Üçer Ö, et al. Turk Patoloji Derg. 2013;29(2):94-100
3. IMP3/L523S, a novel immunocytochemical marker that distinguishes benign and malignant cells: the expression profiles of IMP3/L523S in effusion cytology. Ikeda K, et al. Hum Pathol. 2010 May;41(5):745-50.

Doc. 100-MC0426  
Rev. A