

**Mouse Anti-TRIM29 [TRIM29/1041]: MC0960, MC0960RTU7**

**Intended Use:** For Research Use Only

**Description:** It recognizes a 66kDa protein, which is identified as Tripartite motif-containing protein 29 (TRIM29). It interacts with the intermediate filament protein vimentin, a substrate for the PKC family of protein kinases, and with hPKCI-1, an inhibitor of the PKCs. TRIM29 protein contains both zinc finger and leucine zipper motifs, suggesting that the it may form homodimers and possibly associate with DNA. High expression of TRIM29 has been reported in gastric cancer and pancreatic cancer, and correlates with enhanced tumor growth and lymph node metastasis. TRIM29 is also able to distinguish lung squamous cell carcinoma from lung adenocarcinoma with ~90% positive accuracy, when used in a panel with TTF-1, p63, CK5/6, and Napsin-A antibodies.

**Specifications**

Clone: TRIM29/1041  
Source: Mouse  
Isotype: IgG2a/k  
Reactivity: Human  
Localization: Membrane, cytoplasm  
Formulation: Tissue culture supernatant in PBS pH7.5, containing BSA and  $\leq 0.09\%$  sodium azide (NaN3)  
Storage: Store at 2°- 8°C  
Applications: IHC, Flow Cyt., WB  
Package:

Description	Catalog No.	Size
TRIM29 Concentrated	MC0960	1 ml
TRIM29 Prediluted	MC0960RTU7	7 ml

**IHC Procedure**

Positive Control Tissue: Tonsil, Squamous cell carcinoma  
Concentrated Dilution: 50-200  
Pretreatment: Citrate pH6.0 or EDTA pH8.0, 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.

**References**

1. A novel five-antibody immunohistochemical test for sub-classification of lung carcinoma. Ring BZ, et al. Mod Pathol. 22(8): 1032-43. 2009.
2. Tripartite motif-containing 29 (TRIM29) is a novel marker for lymph node metastasis in gastric cancer. Kosaka Y, et al. Ann Surg Oncol. 14(9): 2543-9. 2007.