

Anti - BRAF V600-E mutation

Rabbit clonal antibody

CAT#

CONCENTRATED

DB 187-0.1 (100 µl)
 DB 187-0.2 (200 µl)
 DB 187-0.5 (500 µl)
 DB 187-1 (1 ml)

READY TO USE (RTU)

DB 187-RTU-7 (7 ml)
 DB 187-RTU-15 (15 ml)

STORAGE AND APPLICATION

CONCENTRATED

Storage: +4°C
Application: IHC-P,
 dilution 1:100 - 1:200

READY TO USE (RTU)

Storage: +4°C, Do not freeze!
Application: IHC-P,
 ready to use

PRODUCT INFORMATION

Clone: V22-E

Buffer: 20 mM Tris-HCl, pH 8.0

Stabilizer: 20 mg/ml BSA

Preservative: 0.05% NaN₃

Specificity: Human, mouse, rat

Expiration: 24 months from the shipping date

Immunogen: Peptide corresponding to V600-E mutation of human BRAF (V637-E of mouse or rat BRAF)

Cellular localization: nucleus, cytoplasm

Positive control: colon carcinoma tissue, melanoma tissue

Protein accession number: P15056 (human), P28028 (mouse), F1M9C3 (rat)

VENTANA PROTOCOL – INSTRUCTION MANUAL

SHORT APPLICATION PROTOCOL FOR VENTANA BENCHMARK SLIDE STAINING SYSTEM

1. Drying (Enter).
2. Heating glass (72°C), incubation 4 min. Drying.
3. Deparafinization (Enter).
4. Heating (72°C) at the medium temperatures. Deparafinization.
5. Prolonged deparafinization (Enter).
6. Cell conditioning (Enter).
7. ULTRA conditioner #1 (Enter).
8. Heating glass (95°C), incubation 8 min. (Cell conditioner #1; buffer CC1).
9. ULTRA CC1 solution application – 20 min. (Enter).
10. Titration (Enter).
11. Hand apply – primary antibody. Incubation 36 min.
12. Nuclear stain (Enter).
13. Hematoxylin application – one drop (nuclear stain). Cover and incubate 8 min.
14. After nuclear stain (Enter).
15. Bluing reagent application, one drop. After nuclear stain, cover and incubate 4 min.

LEICA BOND MAX PROTOCOL – INSTRUCTION MANUAL

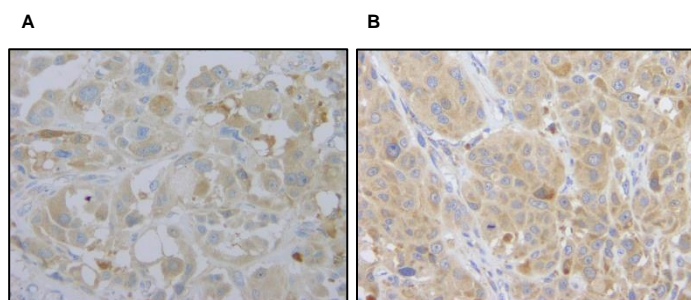
SHORT APPLICATION PROTOCOL FOR LEICA BOND MAX SLIDE STAINING SYSTEM

Protocol F:

- Incubation of primary antibody / temperature: 30 min. / 20°C
- Epitope retrieval / heating time / temperature: ER1 / 10 min. / 100°C
- Visualization system: BOND Refine DS9800

PRECAUTIONS

1. **We strongly recommend to use DB Primary Antibody Diluent (catalog number DB D-125, or DB D-250), eventually alternative diluent (containing protease free BSA at the concentrations ≥ 1mg/ml) for dilution of concentrated antibodies, otherwise the warranty might be voided.**
2. **Centrifuge the vial before use.**
3. Intended for professional In Vitro Diagnostic use in laboratories.
4. Do not use after expiration date stamped on vial label.
5. Avoid contamination of the reagent.
6. Any discrepancies in the recommended procedures stated in the working protocol may affect the final results.
7. The reagent contains sodium azide (NaN₃) which is highly toxic in higher concentrations. The concentration in the reagent (0.05%) is not considered as hazardous.
8. Disposal of waste material must be conducted in accordance with local regulations.
9. Wear appropriate Personal Protective Equipment to avoid contact with eyes and skin.



Result of the Ventana Ultra (A) and Leica BOND Max (B) immunohistochemical staining protocol on a formalin fixed and paraffin embedded human melanoma tissues (4 µm sections) with Anti - BRAF V600-E (DB 187) monospecific antibody according to related DB Biotech datasheet. The fine granular brown staining in the cytoplasm of the tumor cells, highlights specifically V600-E mutation of BRAF protein, while dark brown dots represent melanin pigment deposition.