

Write Block

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graph TD; A[Write Block] --> B{Hit?}; B -- Y --> C[Update Cache Data]; B -- N --> D[Add To Cache Pool]; C --> E[Mark Modified]; D --> E; E --> F[Add To WriteBack Queue];
```

The flowchart illustrates the process of writing a block to a cache. It begins with a 'Write Block' step, which leads to a decision diamond 'Hit?'. If the data is a hit (Y), the process moves to 'Update Cache Data'. If it is a miss (N), the process moves to 'Add To Cache Pool'. Both paths then converge at the 'Mark Modified' step, which finally leads to 'Add To WriteBack Queue'.

Hit?

N

Y

**Update
Cache Data**

**Add To
Cache Pool**

Mark Modified

**Add To
WriteBack Queue**